

MATERIALS LICENSE

ORC

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, 36, 39, 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		In accordance with application dated June 20, 1996,	
1. CPAD Technologies Inc.		3. License Number	54-23849-01E is issued in its entirety to read as follows:
2. 66 Slater Street, 6th Floor Ottawa, Ontario Canada K1P 5H1		4. Expiration Date	February 28, 2007
		5. Docket or Reference No.	030-34271
6. Byproduct, Source, and/or Special Nuclear Material	7. Chemical and/or Physical Form	8. Maximum Amount that Licensee May Possess at Any One Time Under This License	
A. Nickel-63	A. Foil Beta sources (NRD Model N1001)	A. Not applicable (See Condition 10)	

9. Authorized Use

Pursuant to Section 32.26, 10 CFR Part 32, the licensee is authorized to distribute gas and aerosol detection devices (explosives detectors) as specified in Condition 10 to persons exempt from the requirements for a license pursuant to Section 30.20, 10 CFR Part 30, or equivalent provisions of the regulations of any Agreement State.

CONDITIONS

10. The following explosives detector may be distributed pursuant to this license provided the amount of Nickel-63 contained in the device does not exceed the amounts specified in the following table:

<u>Device Model</u>	<u>Maximum Quantity per Device</u>
Ion Mobility Spectrometer (IMS) Detector Series	3.3 millicuries

11. This license does not authorize possession or use of licensed material.
12. The licensee may distribute only from its facility located at 6601 Kirkville Road, East Syracuse, NY.

9702200030 970212
PDR ADDCK 03034271
C PDR

200030

d/1 MLC0
Cyt to RI

MATERIALS LICENSE
SUPPLEMENTARY SHEET

License Number

54-23849-01E

Docket or Reference Number

030-34271

CONDITIONS

(Continued)

13. The licensee shall file periodic material transfer reports as specified in Section 32.29(c) of 10 CFR Part 32.
14. Except as specifically provided otherwise by 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 U.S. 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.
 - A. Application dated June 20, 1996;
 - B. Facsimile dated February 5, 1997; and
 - C. Registration Certificate NR-1018-D-101-E

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

DATE: February 12, 1997

BY: Original signed by:

8/2/12/97 *2/12/97*
CB
Susan L. Greene
Medical, Academic, and Commercial
Use Safety Branch
Division of Industrial and
Medical Nuclear Safety
Office of Nuclear Material Safety
and Safeguards
Washington, DC 20555

5. Submit a complete renewal application (with proper fee) or termination request (no fee required) at least 30 days before the expiration date on your license. You should receive a reminder notice approximately 90 days before the expiration date. Continued distribution of products containing radioactive material after your license expires is a violation of NRC regulations.
6. In accordance with 10 CFR 30.36, request termination of your license if you plan to permanently discontinue activities involving distribution of products containing radioactive material.

You will be periodically inspected by NRC. Failure to conduct your program in compliance with NRC regulations, license conditions, and representations made in your license application and supplemental correspondence with NRC may result in enforcement action(s) against you. This could include issuance of a notice of violation; proposed imposition of a civil penalty; or an order suspending, modifying, or revoking your license as specified in the "General Statement of Policy and Procedures for NRC Enforcement Actions," (NUREG-1600).

If you have any questions, please feel free to contact me at (301) 415-7843.

Sincerely,

Original signed by:

Susan L. Greene
 Medical, Academic, and Commercial
 Use Safety Branch
 Division of Industrial and
 Medical Nuclear Safety
 Office of Nuclear Material Safety
 and Safeguards

Docket No. 030-34271

Enclosure: License No. 54-23849-01E

DISTRIBUTION:

License File 54-23849-01E

IMAB r/f

SBaggett

DOCUMENT NAME: G:\CPADCVR.CJB

To receive a copy of this document, indicate in the box: "C" = Copy without enclosures "E" = Copy with enclosures "N" = No copy

OFFICE	IMAB:NMSS								
NAME	SLGreene:cjb								
DATE	02/12/97								

OFFICIAL RECORD COPY

February 12, 1997

CPAD Technologies Inc.
ATTN: Al McEachern, Director
Business Development
66 Slater Street, 6th Floor
Ottawa, Ontario
Canada K1P 5H1

Dear Mr. McEachern:

Enclosed is CPAD's NRC License No. 54-23849-01E issued in its entirety.

Please review the enclosed license carefully and be sure that you understand all the conditions. If there are any errors or questions, please contact me so that the appropriate action can be taken.

Please be advised that you must conduct your program involving radioactive materials in accordance with the conditions specified in your NRC license, representations made in your license application, and other rules, regulations, and orders of the U.S. Nuclear Regulatory Commission, now or hereafter in effect, to include the following:

1. Comply with applicable NRC regulations in 10 CFR Part 30, "Rules of General Applicability to Domestic Licensing of Byproduct Material"; 10 CFR Part 32, "Specific Domestic Licenses to Manufacture or Transfer Certain Items Containing Byproduct Material"; and other applicable regulations.

NOTE: Licensees authorized to distribute or initially transfer products containing byproduct material must also possess a valid possession license issued either by NRC or an Agreement State(s) which authorizes possession and use of byproduct material.

2. Distribute only those products containing radioactive material which are specifically authorized in your license.
3. Notify NRC in writing within 30 days of any change in mailing address (no fee is required if the location of radioactive material remains the same).
4. Request and obtain appropriate amendments if you plan to change control or ownership of your organization, change locations of distribution of products containing radioactive material, or make any other changes in your program which are contrary to the license conditions or representations made in your license application and any supplemental correspondence with NRC. A license fee may be charged for the amendments if you are not in a fee-exempt category.

FACSIMILE



FACSIMILE

Date & Time: February 5, 1997

Pages To Follow: 4

Send To

Name: Susan Greene
Company: NRC

FAX: 301-415-5369
Phone: 301-415-7843

From

Name: Al McEachern
Address: CPAD Technologies Inc.
152 Cleopatra Drive
Nepean, Ontario K2G 5X2

Phone: (613) 224-1061
FAX: (613) 224-2603

cc:

Subject: NRC LICENSE

Notes: Further to our conversation on 4 Feb 97, this fax contains the information that you requested.

1. Reference my fax to Brian Smith dated December 13, 1996, wherein I state that the contract will require the customer to return the Analytical Unit to CPAD Ottawa Canada when the System is taken out of service. The wording in the contract will be that "CPAD recommends that the Analytical Unit be returned to CPAD when it is no longer required".
2. The label that will be affixed to the IMS is as per drawing number LA-B-009. (Copy attached).
3. The label that will be affixed to the Analytical Unit is as per the attached. (A hard copy sample will be mailed).
4. The wording that will appear on the shipping crate label will be as per attached.

If you require additional information please do not hesitate to contact me.

Sincerely,

A handwritten signature in dark ink, appearing to read "A.L. McEachern".

A.L. McEachern

FAXED
09:00

WARNING!

This CPAD Technologies Inc. transmission is intended for the addressee. It may contain privileged or confidential information, any unauthorized disclosure is strictly prohibited by law. If you have received this transmission in error, please notify us immediately so that we may correct our transmission. Please then destroy the original. Thank you.

WE HAVE MOVED, PLEASE CHECK OUR NEW ADDRESS!

FACSIMILE



FACSIMILE

Date & Time: Friday, December 13, 1996 11:09 AM

Pages To Follow: 2

Send To

Name: Brian Smith
Company: NRC Headquarters

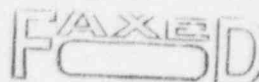
FAX: 301-415-5369
Phone: 301-415-5723

From

Name: Al McEachern 

Phone: (613) 230-0609
FAX: (613) 230-3805

Address: CPAD Technologies Inc.
66 Slater Street, 6th Floor
Ottawa, Ontario K1P 5H1



cc:

Subject: DEVICE REVIEW

Further to my conversation with John Lubinski on the new outstanding issues, this fax contains my response.

1. Assurance that the item shipped is according to the approved item.

The critical item of course is the IMS and it is enclosed in a sealed metal box which we have referred to as the Analytical Unit, I propose that when the System arrives at the Galson Corporation, the System is opened up and the Analytical Unit is measured to ensure the dimensions have not changed. We will have taken a wipe test prior to shipment, and we can take a second wipe test if required, to meet the quality assurance issue, at Galson or when the System is commissioned at the customers location by a CPAD employee.

2. Concern about disposal after the System has been taken out of service and the customer is not obliged to send the "Device" back to CPAD under an Exempt License.

CPAD will have a clause in the contract that requires that the customer return the Analytical Unit when the System is taken out of service.

3. Additional information is required on the "Dose Assessment" in the event that a Device is disposed of in a landfill site.

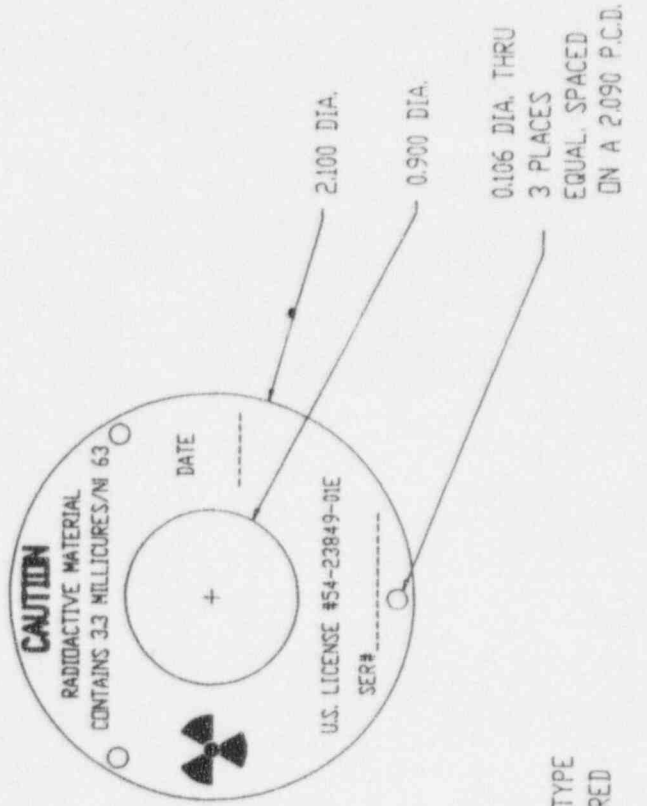
CPAD will provide the additional information early next week when you are back in your office.

WE HAVE MOVED, PLEASE CHECK OUR NEW ADDRESS!

WARNING!

This CPAD Technologies Inc. transmission is intended for the addressee. It may contain privileged or confidential information, any unauthorized disclosure is strictly prohibited by law. If you have received this transmission in error, please notify us immediately so that we may correct our transmission. Please then destroy the original. Thank you.

THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF **CPAD TECHNOLOGIES INC.** AND SHALL NOT BE REPRODUCED, COPIED OR USED AS THE BASIS FOR THE MANUFACTURE OR SALE OF APPARATUS WITHOUT THE WRITTEN PERMISSION OF **CPAD TECHNOLOGIES INC.**



NOTE: THE LABEL WILL BE A NON-ADHESIVE TYPE WITH THE RADIATION SYMBOL AND TEXT COLOURED BLACK ON A ALUMINUM BACKGROUND.

LA-B-009

SYM	REVISION	DATE	BY	CHK

UNLESS OTHERWISE SPECIFIED

- DO NOT SCALE DRAWING.
- DIMENSIONS ARE IN INCH
- THREAD LENGTH DIMENSIONS ARE FULL THREADS.
- TOLERANCE ON DIMENSIONS (INCLUDING HOLES)
DECIMAL .XX ± .01
XXX ± .005
- REMOVE ALL BURRS AND SHARP CORNERS .015 MAX.
- ROUGHNESS OF SURFACE NOT TO EXCEED 63.2 IN
- ALL RADII ARE .125 R

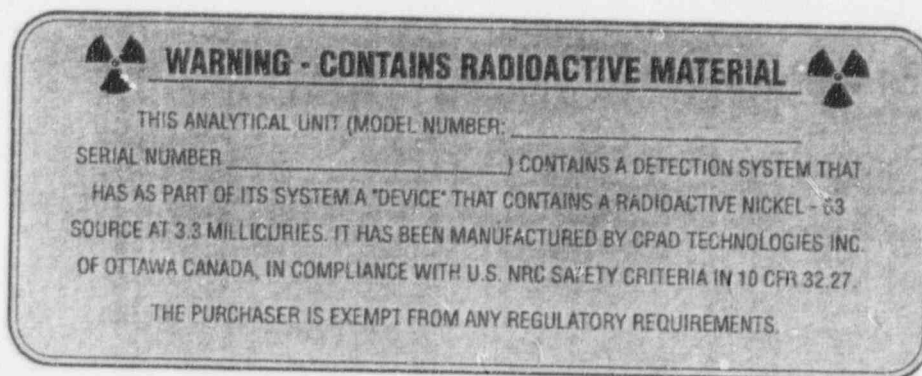
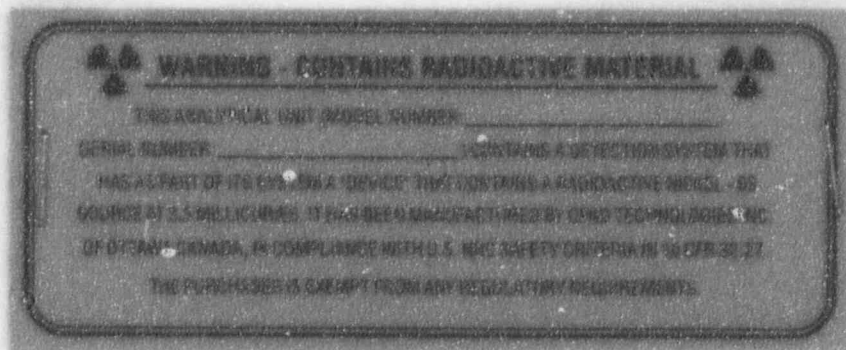
MATERIAL ALUMINUM SHEET 0.020 THK.

FINISH ANODIZED

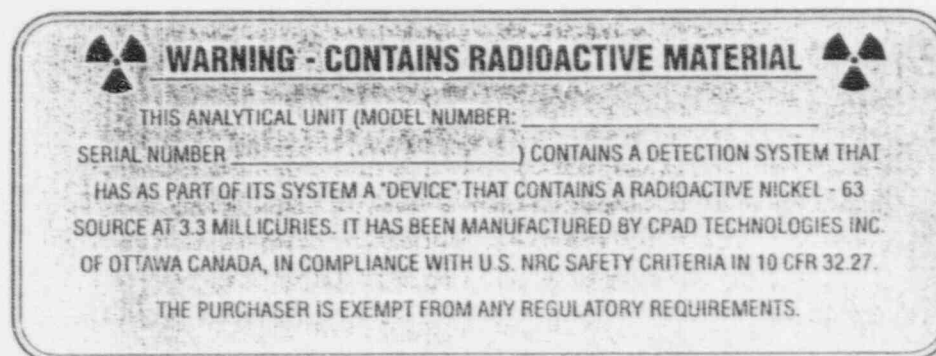
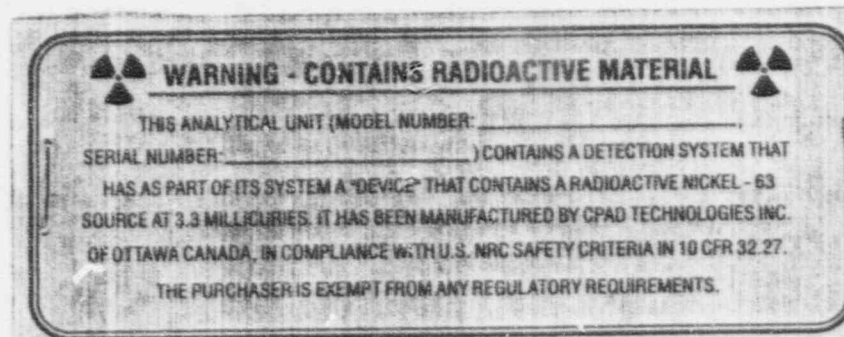
DWG BY NDW	DATE 29/08/96
CHK BY	DATE
APPD BY	DATE
SCALE 1:1	

I.M.S. RADIATION WARNING LABEL

SIZE A	SHEET 1 OF 1	DWG NO LA-B-009	REV -
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The label selected for this application is a number 468 "SCOTCH" Brand Adhesive Transfer Tape. The information on the construction of the tape is as follows: the adhesive is firm acrylate - 0.004 inch, and the liner is silicone release-treated paper - 0.004 inch. The tape complies with MIL-P-6906A amendment 1, and the adhesive requirements of MIL-P-19834A, Type 1. Of main concern in this application is the temperature, and the claim from the 3M Company is that "when properly applied to suitable substrates, this adhesive is serviceable when exposed to temperatures up to 400 degrees F."



The label selected for this application is a number 468 "SCOTCH" Brand Adhesive Transfer Tape. The information on the construction of the tape is as follows: the adhesive is firm acrylate - 0.004 inch, and the liner is silicone release-treated paper - 0.004 inch. The tape complies with MIL-P-6906A amendment 1, and the adhesive requirements of MIL-P-19834A, Type 1. Of main concern in this application is the temperature, and the claim from the 3M Company is that "when properly applied to suitable substrates, this adhesive is serviceable when exposed to temperatures up to 400 degrees F."

SHIPPING CRATE LABEL

**THIS CRATE CONTAINS A DETECTION SYSTEM THAT HAS AS
PART OF ITS SYSTEM A "DEVICE" THAT CONTAINS A RADIOACTIVE
NICKEL - 63 SOURCE AT 3.3 MILLICURIES. IT HAS BEEN MANUFACTURED
BY CPAD TECHNOLOGIES INC., IN COMPLIANCE WITH
U.S. NRC SAFETY CRITERIA IN 10 CFR 32.27. THE PURCHASER IS EXEMPT
FROM ANY REGULATORY REQUIREMENTS.**

REGISTRY OF RADIOACTIVE SEALED SOURCES AND DEVICES
SAFETY EVALUATION OF DEVICE

NO.: NR-1018-D-101-E DATE: December 20, 1996 PAGE 1 OF 6

DEVICE TYPE: Explosives Detector

MODEL: Ion Mobility Spectrometer (IMS) Detector Series

DISTRIBUTOR: CPAD Technologies Inc.
The Galson Building
6601 Kirkville Road
East Syracuse, NY 13057

MANUFACTURER: CPAD Technologies Inc.
66 Slater Street
Ottawa, Ontario
Canada
K1P 5H1

SEALED SOURCE MODEL DESIGNATION: NRD Model N1001

<u>ISOTOPE:</u>	<u>MAXIMUM ACTIVITY:</u>
Nickel-63	3.3 millicuries (1.2 GBq)

LEAK TEST FREQUENCY: Not required

PRINCIPAL USE: (N) Ion Generator, Explosives Detector

CUSTOM DEVICE: _____ YES X _____ NO

REGISTRY OF RADIOACTIVE SEALED SOURCES AND DEVICES
SAFETY EVALUATION OF DEVICE

NO.: NR-1018-D-101-E DATE: December 20, 1996 PAGE 2 OF 6

DEVICE TYPE: Explosives Detector

DESCRIPTION:

The Ion Mobility Spectrometer (IMS) detector is contained within other devices to detect organic compounds. The complete device is designed to protect life and property by detecting explosives.

The IMS is installed as a component inside other devices, which are intended for both fixed and portable use. Uses range from operating in an airport type environment to field conditions where the conditions are those expected for exterior operation. The device may be mounted to a vehicle, but will not be installed in a fixed unprotected position outside, open to the environment. CPAD Technologies Inc. claims that the IMS can operate at temperatures of up to 260°C (500°F), can withstand corrosive atmospheres and vibration expected to be encountered during use, and because the device works in a dry nitrogen atmosphere, humidity and corrosion are not a problem. The device has no moving parts, as such it is not subject to fatigue.

The IMS detector measures 1.86 inches (4.72 cm) in length and 2.5 inches (6.75 cm) in diameter. The IMS detector is installed in what is referred to as the Analytical Unit. The Analytical Unit is a metal box measuring 12 inches (30.48 cm) in length, 6.75 inches (17.15 cm) in height, and 2.5 inches (6.35 cm) in depth. The Analytical Unit is then contained within a security closet.

The Ni-63 source is pressed into a recessed hole in a sheet of aluminum which is fitted into the Teflon source holder subassembly. The source is sandwiched into place in the source holder subassembly with an aluminum tube secured by two stainless steel bolts. This aluminum tube is used to form the ionization chamber. The source holder subassembly is then attached to the aluminum source base secured with two stainless steel screws. The source base is then attached to the aluminum base secured with four tamper proof screws. These tamper proof screws have an internal hex head with a pin that requires a special tool for their removal. The IMS detector is now securely fastened inside the Analytical Unit using three stainless steel screws.

REGISTRY OF RADIOACTIVE SEALED SOURCES AND DEVICES
SAFETY EVALUATION OF DEVICE

NO.: NR-1018-D-101-E

DATE: December 20, 1996 PAGE 3 OF 6

DEVICE TYPE: Explosives Detector

DESCRIPTION (Contd.):

The model number is a 15 character number. It is described as follows: (a) the first three letters will be IMS; (b) the next two will be either NI for devices using a Ni-63 source or PD for devices using photo ionization; (c) the next letter will either be P for particle capture and detection or a V for vapor capture and detection; (d) the next three numbers will represent the voltage, i.e., 110, 220, or 024 volts; (e) the next two will represent the current, i.e., AC or DC; and (f) the last four numbers will be the number on the IMS. The serial number is an eight digit number. It is described as follows: (a) the first two will be the year of manufacture; (b) the next three will be the Julian date of manufacture; and (c) the last three will be the number produced on a specific day.

LABELING:

The device is labeled in accordance with 10 CFR 32.29(b). An additional label is placed on the outside of the Analytical Unit which contains information similar to that on the label on the point of sale package.

DIAGRAM:

See Attachments 1, 2, and 3.

EXTERNAL RADIATION LEVELS:

The device contains a Ni-63 source which emits low energy beta radiation. The source is completely surrounded by aluminum with a wall thickness of 0.78 inches (2 cm), which is sufficient to absorb all of the radiation emitted by the source. Therefore, radiation levels on the detector's surface will be indistinguishable from background.

REGISTRY OF RADIOACTIVE SEALED SOURCES AND DEVICES
SAFETY EVALUATION OF DEVICE

NO.: NR-1018-D-101-E

DATE: December 20, 1996 PAGE 4 OF 6

DEVICE TYPE: Explosives Detector

LIMITATIONS AND/OR OTHER CONSIDERATIONS OF USE:

- The device shall only be used as a component in explosive detectors.
- The device will be used by individuals exempt from regulatory requirements pursuant to 10 CFR 30.20.

SAFETY ANALYSIS SUMMARY:

Based on our review of CPAD Technologies' model IMS detector, and the information and test data cited below, we conclude that the product is designed and manufactured so that:

- In normal use and disposal of a single exempt unit, and in the normal handling and storage of the quantities of exempt units likely to accumulate in one location during marketing, distribution, installation, and servicing of the product, it is unlikely that the external radiation dose in any one year, or the dose commitment resulting from the intake of radioactive material in any one year, to a suitable sample of the group of individuals expected to be most highly exposed to radiation or radioactive material from the product will exceed the dose to the appropriate organ as specified in Column I of the following table.
- It is unlikely that there will be a significant reduction in the effectiveness of containment, shielding, or other safety features of the product from wear and abuse likely to occur in normal handling and use of the product during its useful life.
- In use and disposal of a single exempt unit, or in handling and storage of the quantities of exempt units likely to accumulate in one location during marketing, distribution, installation, and servicing of the product, the probability is low that the containment, shielding, or other safety features of the product would fail under such circumstances that a person would receive an external radiation dose or

REGISTRY OF RADIOACTIVE SEALED SOURCES AND DEVICES
SAFETY EVALUATION OF DEVICE

NO.: NR-1018-D-101-E

DATE: December 20, 1996 PAGE 5 OF 6

DEVICE TYPE: Explosives Detector

SAFETY ANALYSIS SUMMARY (Contd.):

dose commitment in excess of the dose to the appropriate organ as specified in Column II of the table below, and the probability is negligible that a person would receive an external radiation dose or dose commitment in excess of the dose to the appropriate organ as specified in Column III of the table below.

TABLE OF ORGAN DOSES (Rem)

<u>Part of the body</u>	<u>Col. I</u>	<u>Col. II</u>	<u>Col. III</u>
WB, head, trunk, gonads, eyes	0.005	0.5	15
Extremities, skin	0.075	7.5	200
Other organs	0.015	1.5	50

Based on review of CPAD Technologies' model IMS detector, and the information and test data cited below, we conclude that this device is acceptable for licensing purposes.

Furthermore, we conclude that the model IMS detectors would be expected to maintain their containment integrity for normal conditions of use and accidental conditions which might occur during uses specified in this certificate.

REGISTRY OF RADIOACTIVE SEALED SOURCES AND DEVICES
SAFETY EVALUATION OF DEVICE

NO.: NR-1018-D-101-E

DATE: December 20, 1996 PAGE 6 OF 6

DEVICE TYPE: Explosives Detector

REFERENCES:

The following supporting documents for the Model IMS Detector organic compound detector are hereby incorporated by reference and are made a part of this registry document.

- CPAD Technologies Inc.'s (Canada) application received July 10, 1996 (no date on letter), letters dated September 23, 1996, October 11, 1996, October 24, 1996, and November 5, 1996, and facsimiles dated September 4, 1996, September 23, 1996, October 25, 1996, November 6, 1996, November 15, 1996, December 13, 1996, December 16, 1996 (2), and December 19, 1996, with enclosures thereto.

ISSUING AGENCY:

U.S. Nuclear Regulatory Commission

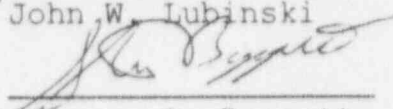
Date: December 20, 1996

Reviewer:


John W. Lubinski

Date: December 20, 1996

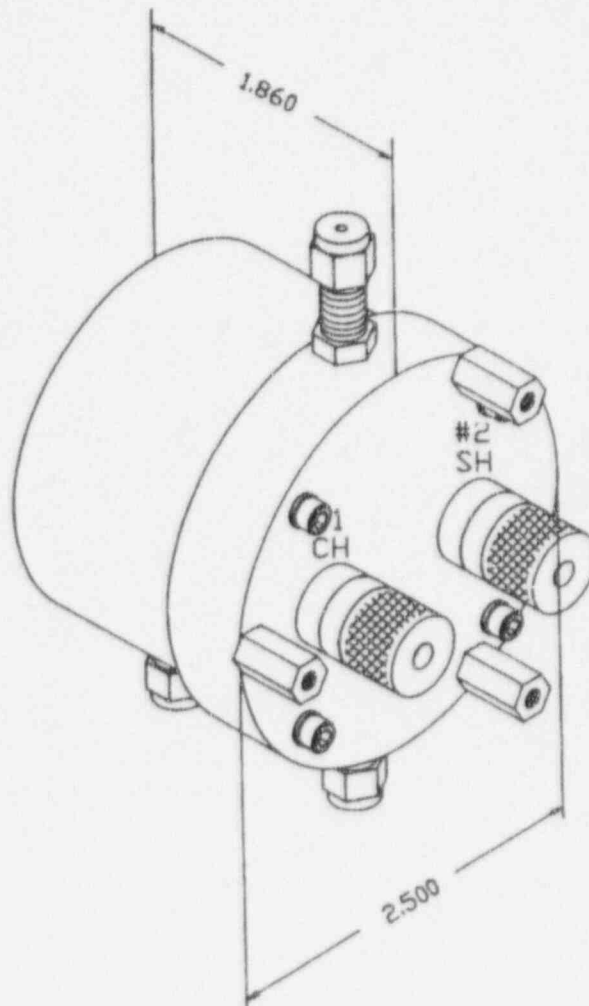
Concurrence:


Steven L. Baggett

REGISTRY OF RADIOACTIVE SEALED SOURCES AND DEVICES
SAFETY EVALUATION OF DEVICE

NO.: NR-1018-D-101-E

DATE: December 20, 1996 ATTACHMENT 1

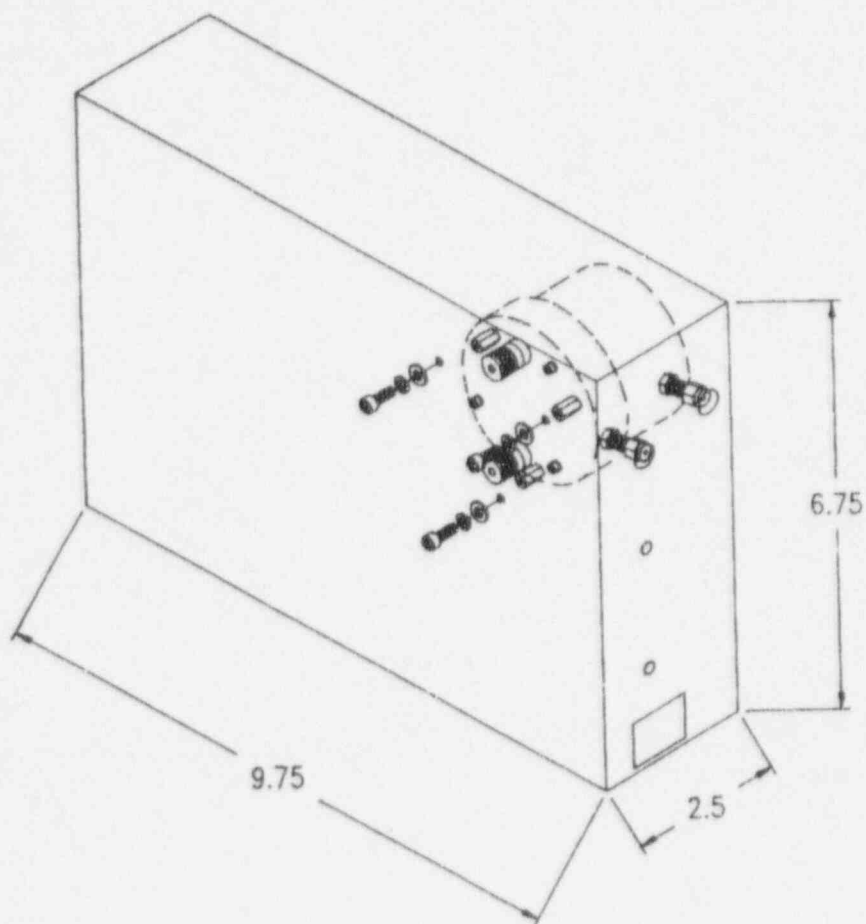


IMS Detector

REGISTRY OF RADIOACTIVE SEALED SOURCES AND DEVICES
SAFETY EVALUATION OF DEVICE

NO.: NR-1018-D-101-E

DATE: December 20, 1996 ATTACHMENT 2

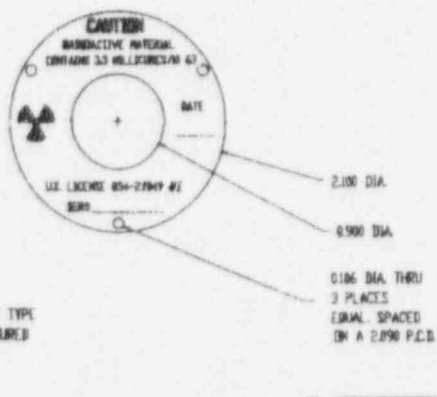


Analytical Unit

REGISTRY OF RADIOACTIVE SEALED SOURCES AND DEVICES
SAFETY EVALUATION OF DEVICE

NO.: NR-1018-D-101-E

DATE: December 20, 1996 ATTACHMENT 3



IMS Radiation Warning Label

FACSIMILE



FACSIMILE

Date & Time: Friday, December 20, 1996 4:19 PM

Pages To Follow: 0

Send To

Name: Susan Greene
Company: NRC

FAX: 301-415-5369
Phone: 301-415-7843

From

Name: Al McEachern
Address: CPAD Technologies Inc.
66 Slater Street, 6th Floor
Ottawa, Ontario K1P 5H1

Phone: (613) 230-0609
FAX: (613) 230-3805

cc:

Subject: NRC LICENSE

Notes: In response to my conversation with Tony Kirkwood on this date, this fax contains CPAD's response and commitment.

CPAD agrees to comply with the requirement to maintain records and file reports with the Director of Nuclear Material Safety and Safeguards, U.S. Nuclear Regulatory Commission, as defined in 32.29(c) dated December 30, 1993.

As part of the "Device" review CPAD subjected the IMS to the tests as defined in ANSI N542, and all wipes taken after each test were negative. The tests were more severe than anything that might happen through normal use, or accident. CPAD recently had a System that was dropped, by accident while being transported, wipe tests taken after the accident came back negative.

If you have any further questions, please feel free to give me a call. All the best to you and your staff during the festive season.

Sincerely,

A handwritten signature in cursive script, appearing to read "A.L. McEachern".

A.L. McEachern
Director, Business Development

WARNING:

This CPAD Technologies Inc. transmission is intended for the addressee. It may contain privileged or confidential information. Any unauthorized disclosure is strictly prohibited by law. If you have received this transmission in error, please notify us immediately so that we may correct our transmission. Please then destroy the original. Thank you.

TELEPHONE CONVERSATION RECORD	Date: December 20, 1996	Time: 15:19
Mail Control No.: 021877	License No.: NEW (54-23849-01E)	Docket No.: 030-34271
Person Called: Al McEachern	Organization: CPAD Technologies, Inc.	Telephone Number: 613-230-0609
Person Calling: Anthony S. Kirkwood		
Subject: New License Deficiency Questions		
Summary: 1.) 10 CFR32.26(b)(5) design of device okay under severe conditions. Does ANSI N542 represent severe conditions? 2.) Confirmation that CPAD will comply with 10 CFR 32.29(c) NRC records/reports requirements.		
Action Required/Taken: Mr. McEachern will fax reply. Await response and provide information to SLG.		
Signature: <i>A. Kirkwood</i>	Date: 12/20/96	

FACSIMILE



FACSIMILE

Date & Time: Friday, November 15, 1996 3:05 PM

Pages To Follow: 2

Send To

Name: Susan Greene
Company: NRCFAX: 301-415-5369
Phone: 301-415-7843

From

Name: Al McEachern

Phone: (613) 230-0609
FAX: (613) 230-3805Address: CPAD Technologies Inc.
66 Slater Street, 6th Floor
Ottawa, Ontario K1P 5H1

cc:

Subject: NRC LICENSE

Notes: Further to our conversation and my conversation with Tony Kirkwood, this fax contains a copy of the notification that we have a "Possession License" from the State of New York.

I have also sent Brian Smith all the information that he has requested for the "Device Review".

I appreciate the support that you have given me. Thanks!

Sincerely,

A handwritten signature in cursive script, appearing to read "A.L. McEachern".

A.L. McEachern
Director, Business Development**WARNING!**

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 STATE OF NEW YORK - DEPARTMENT OF LABOR
 DIVISION OF SAFETY AND HEALTH

RADIOACTIVE MATERIALS LICENSE

DL 96-304

Page 1 of 2 Page(s)

PURSUANT TO THE LABOR LAW AND INDUSTRIAL CODE RULE 38, AND IN RELIANCE ON STATEMENTS AND REPRESENTATIONS HERETOFORE MADE BY THE LICENSEE DESIGNATED BELOW, A LICENSE IS HEREBY ISSUED AUTHORIZING SUCH LICENSEE TO RECEIVE, POSSESS, USE AND TRANSFER RADIOACTIVE MATERIAL(S) DESIGNATED BELOW; AND TO USE SUCH RADIOACTIVE MATERIAL(S) FOR THE PURPOSE(S) AND AT THE PLACE(S) DESIGNATED BELOW. THIS LICENSE IS SUBJECT TO ALL APPLICABLE RULES, REGULATIONS, AND ORDERS NOW OR HEREAFTER IN EFFECT OF ALL APPROPRIATE REGULATORY AGENCIES AND TO ANY CONDITIONS SPECIFIED BELOW.

1. NAME OF LICENSEE

CPAD Technologies, Inc.

PHONE: (315) 432-0306

3. LICENSE NUMBER

2753-3996

4. EXPIRATION DATE

November 31, 1999

2. ADDRESS OF LICENSEE

 The Galson Building
 6601 Kirkville Rd.
 East Syracuse, New York 13057

5a. REFERENCE No.

b. AMENDMENT No.

1

6. RADIOACTIVE MATERIALS
(element in mass number)

7. CHEMICAL AND/OR PHYSICAL FORM

8. MAXIMUM QUANTITY LICENSEE MAY POSSESS
AT ANY ONE TIME

A. Nickel 63

 A. Sealed Sources
 (NRD model N1001)

 A. 3.3 millicuries per
 device.
9. Authorized use:

- A. Possession incident to exempt distribution of CPAD Technologies, Inc. Orion Explosives Detection Systems and Sirius Narcotics and Explosives Detection Systems, under licensure of the United States Nuclear Regulatory Commission.

10. Licensed material shall be stored at the installation specified in Condition 2 of this license.

11. A. The Radiation Safety Officer for this license is **A. L. McEachern**.

B. The Radiation Safety Officer for Galson Corporation, license number 2260-3047, shall be the site Radiation Safety Officer for this license.

STATE OF NEW YORK - DEPARTMENT OF LABOR
DIVISION OF SAFETY AND HEALTH

RADIOACTIVE MATERIALS LICENSE

Page 2 of 2 Pages

3. License Number 2753 3996Sa. Ref. No. 1b.. Amend. No. ---

12. The licensee shall conduct, or have conducted, a periodic inventory of all devices possessed under this license. Such inventory shall be conducted at intervals not to exceed six months and shall be documented in a record containing the identity of each device (make, model and serial number), its location, and the identity of the person who performed the inventory.
13. The licensee shall report immediately by telephone, the loss of control of any radioactive source or device. This includes inability to locate a source or device on your premises, or failure of a source or device to arrive at a destination to which you have shipped it, at the expected time.
14. Except as specifically provided otherwise in this license, the licensee shall conduct its program in accordance with statements, representations and procedures contained in the documents, including enclosures, listed below. The Department's Regulations shall govern unless these statements, representations and procedures are more restrictive than the Regulations.
- A. Application dated October 11, 1996, signed by Mariusz Rybak, CEO for CPAD Technologies, and Mike Lorenz, President for Galson Corporation.

DATE: 11/15/96
CJB:wpJohn E. Sweeney
COMMISSIONER OF LABOR

by:

Clayton J. Bratt
Associate Radiophysicist

TELEPHONE CONVERSATION RECORD		Date: November 15, 1996	Time: 14:58
Mail Control No.: 021877		License No.: NEW	Docket No.: 030-34271
Person Called: A. L. McEachern, Director, Business Development		Organization: CPAD Technologies, Inc., Ottawa, Canada	Telephone Number: 613-230-0609
Person Calling: Anthony S. Kirkwood			
Subject: NEW EXEMPT DISTRIBUTION LICENSE			
<p>Summary: Informed Mr. McEachern that I would be working on the new exempt license for his company's distribution of explosive detectors. I said that Susan Greene would be the senior reviewer and that if all info was to us by 2 Dec 96, we should have the license out by 20 Dec 96, barring any problems. He said that he would be out of town for the next two weeks or thereabouts and that I could get in touch with him through Debra Harley at the same number.</p>			
Action Required/Taken: File with license review documents			
Signature: <i>A. Kirkwood</i>		Date: 11/15/96	



October 24, 1996

Mr. Steven L. Baggett, Section Leader
Sealed Source Safety Section
Medical, Academic, and Commercial
Use Safety Branch
Division of Industrial Safety
Office of Nuclear Material Safety
and Safeguards

Dear Mr. Baggett:

In reply to your letter of October 18, 1996, I have discussed the matter with the inventor and have determined that although we would like to protect the distribution of the two drawings in question, the importance of completing the process outweighs the need for protection. We will rely on the protection offered by our patents to safeguard our trade secrets. The restriction that was initially placed on drawing numbers IM-B-035 and IM-B-037, together with the parts lists, is hereby lifted.

My staff is in constant contact with Mr. Brian Smith and will send a copy of this letter by fax to him for his immediate action. I will take this opportunity to mention that Mr. Smith has been most helpful and very responsive in the exchange of information that will hopefully allow our license to be approved. We have been in contact with the FAA on numerous occasions since their evaluation of our system; they have been asking about the status of the license.

Thank you for your continued support.

Sincerely,

A handwritten signature in dark ink, appearing to read "M. Rybak", is written over the word "Sincerely,".

Mariusz Rybak
Chief Executive Officer
CPAD Technologies Inc.

October 18, 1996

Mr. Al McEachern, Director
CPAD Technologies Inc.
66 Slater Street
Ottawa, Ontario
Canada
K1P 5H1

Dear Mr. McEachern:

This is in reference to your letter dated September 23, 1996, signed by Mariusz Rybak, in which CPAD Technologies Inc. requested that drawings IM-B-035 and IM-B-037 be withheld from public disclosure pursuant to 10 CFR 2.790.

Section 2.790(b)(1) of 10 CFR Part 2 requires that each supporting application be accompanied by an affidavit that contains a full statement of the reasons on the basis of which it is claimed that the information should be withheld from public disclosure. The section further states that the Commission will consider whether the information is of a type customarily held in confidence by the applicant.

You did not submit an affidavit in accordance with 10 CFR 2.790(b). As such, you did not provide adequate justification for withholding the information from public disclosure. Specifically, these drawings: (1) do not contain any information that would not be easily obtained by a user upon a visual inspection of the device; (2) do not contain any manufacturing tolerances; (3) do not detail any unique manufacturing processes; and (4) do not detail any unique assembly methods. Consequently, we conclude that the information referenced in the letter is not proprietary and will not be withheld from public disclosure.

In accordance with 10 CFR 2.790(c), the information sought to be withheld will be placed in the Commission's Public Document Room unless you provide the Commission with an affidavit which meets the requirements of 10 CFR 2.790(b) within 30 days of the date of this letter.

If you have any questions, please contact Mr. Brian Smith of my staff at (301) 415-5723.

Original Signed By:
Steven L Baggett

Sincerely,
Steven L. Baggett, Section Leader
Sealed Source Safety Section
Medical, Academic, and Commercial
Use Safety Branch
Division of Industrial and
Medical Nuclear Safety
Office of Nuclear Material Safety
and Safeguards

Distribution:

SSSS r/f

SSD-96-66

NEX3 *sk*

SSD File # NR-***-D-101-E

DOCUMENT NAME: P:\SSSS\CPAD\CPADPROP.LTR

To receive a copy of this document, indicate in the box: "C" = Copy without attachment/enclosure "E" = Copy with attachment/enclosure "N" = No copy

OFFICE	SSSS <i>SD</i>	OGC <i>K</i>					
NAME	Steve Baggett	Mary Siemien <i>MS</i>					
DATE	10/8/96	10/16/96					

OFFICIAL RECORD COPY



*Drawings are kept in
Registration file
NR-1018-D-101-E.*

September 23, 1996

Mr. Brian W. Smith, Health Physicist
Sealed Source Safety Section
Medical, Academic, and Commercial
Use Safety Branch
Division of Industrial Safety
Office of Nuclear Material Safety
and Safeguards
Nuclear Regulatory Commission
Washington, D.C. 20555-0001

Dear Mr. Smith:

This letter will provide the missing information that you requested in para 13 of your letter date stamped Aug 27, 1996. Along with the parts lists, I have included the applicable drawings with the statement "ORIGINAL Do Not Copy" removed for all drawings, except the two drawings that we want protected (Annex A). At Annex B, you will find the responses to your fax of September 5, 1996.

If you require additional information please do not hesitate to give me a call. Thanks for your support.

Sincerely,

A handwritten signature in dark ink, appearing to read "A.L. McEachern".

A.L. McEachern
Director, Business Development



Drawings are maintained
in Registration file
NR-1018-D-104-E

September 23, 1996

Brian W. Smith
Health Physicist, Sealed Source Safety Section
Medical, Academic, and Commercial Use Safety Branch
Division of Industrial and Medical Nuclear Safety
Office of Nuclear Material Safety and Safeguards
United States Nuclear Regulatory Commission
Washington, D.C.
20555-0001

Dear Mr. Smith,

This is in reference to your letter dated August 26, 1996 regarding our application to the Nuclear Regulatory Commission for a domestic license. You indicated a requirement for a notarized letter requesting that the proprietary documents I submitted to you in confidence not be disclosed to the public due to the private nature of the trade secrets enclosed therein.

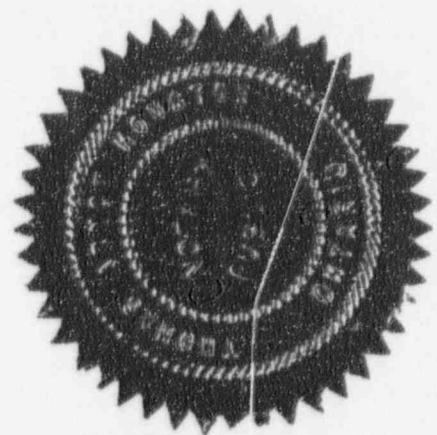
I hereby request, being the owner of the information, that the enclosed documents (drawing numbers IM-B-035 and IM-B-037) be withheld in whole from public disclosure on the grounds that they contain trade secrets which if disclosed to the public are likely to cause substantial harm to our competitive position, as discussed in paragraph 2.790(b) of NRC's regulations in 10 CFR Part 2, "Rules of Practice for Domestic Licensing Proceedings." These two drawings contain information that is considered proprietary and is based on information obtained through research that was sponsored jointly by the United States and Canadian Governments under a counterterrorism bilateral agreement.

I realize that it is necessary for persons properly and directly concerned to inspect the documents during the evaluation of our application and appreciate your discretion when handling this delicate information.

Thank you for your attention to this matter.

Sincerely,

Mariusz Rybak
Chief Executive Officer
CPAD Technologies Inc.



Signature of Notary Public



September 27, 1996

Ms. Susan Greene
Mail Station T8F5
Nuclear Regulatory Commission
Washington, D.C. 20555-0001

Dear Ms Greene:

Further to the discussions you had with Mr. McEachern on September 25 and 26, CPAD has decided to cancel the request for a possession license for Region 1, and are now in contact with the authorities in the State of New York. We have received the required documentation, and it will be forwarded early next week. You can be assured that you will be advise just as soon as we receive the license from the State.

Thanks for you advice and support.

Sincerely,

A handwritten signature in dark ink, appearing to read "S Feagan", written over a horizontal line.

Mr. Scott Feagan
President
CPAD Technologies Inc.

Mr. Brian Smith, NRC Headquarters

LICENSE FEE REQUIREMENTS

Buggelt
LICENSE FEE AND DEBT COLLECTION BRANCH
DIVISION OF ACCOUNTING AND FINANCE
OFFICE OF THE CONTROLLER
U.S. NUCLEAR REGULATORY COMMISSION
WASHINGTON, DC 20555-0001
2014156CPAD Technologies, Inc.
ATTN: A.L. McEachern
Director, Business Development
66 Slater Street, 6th Floor
Ottawa, Ontario K1P 5H1

TYPE OF ACTION

☐ NEW LICENSE☐ RENEWAL OF LICENSE☐ AMENDMENT TO LICENSE

REQUESTED DATE

6-20-96

LICENSE NUMBER

NEW APPLICATION'S

CONTROL NUMBER

123411 and 123410

I. APPLICATION FEE DUE

Your request for a licensing action is subject to the fee(s) in the category(ies) noted below in accordance with Section 170.31 of the enclosed Federal Register notice. Payment of the fee is required prior to the issuance of the license, renewal, or amendment.

FEE CATEGORY	APPLICATION	RENEWAL	AMENDMENT
3B	\$ 1,200.00	\$	\$
3J	\$ 4,400.00	\$	\$
9A	\$ 3,400.00	\$	\$
	\$	\$	\$
	\$	\$	\$
	\$	\$	\$
	\$	\$	\$
	\$	\$	\$
	\$	\$	\$
	\$	\$	\$

FEE(S) DUE	\$ 9,000.00
PAYMENT RECEIVED	\$
AMOUNT DUE	\$ 9,000.00

☒ Your request was received without the prescribed application fee.☐ We received your Check No. _____ in the amount of \$ _____. Payment of the additional fee noted above is required.☐ Your request will increase the scope of your license program. Therefore, your request is subject to the application fee(s) noted above. Refer to Section 170.31 and Footnote 1(d)(2).☐ Your license expired prior to the receipt of your application for renewal. Therefore, your request is subject to the application fee(s) noted above. Refer to Section 170.31 and Footnote 1(a).

MAKE PAYMENT OF THE FEE(S) TO THE U.S. NUCLEAR REGULATORY COMMISSION AND MAIL THE PAYMENT TO THE ADDRESS LISTED AT THE TOP OF THIS FORM. IF WE DO NOT RECEIVE A REPLY FROM YOU WITHIN 30 CALENDAR DAYS FROM THE DATE LISTED BELOW, WE SHALL ASSUME THAT YOU DO NOT WISH TO PURSUE YOUR APPLICATION AND WILL VOID THIS ACTION.

SIGNATURE - LICENSE FEE ANALYST

Sandra Kimberley

LFDCB

sk

7/24/96

LFDCB

Distribution

OJ/DHF/LFARB S/F (LF-3 & 2)
R/F
CC: S. Kimberley HDS

DATE

7/24/96

II. FEE NOT REQUIRED

☐ Enclosed is Check No. _____ which accompanied your request. The fee is not required because:☐ We received your Check No. _____ in payment of the fee.☐ The Licensing staff has informed us that your request is to be considered as a continuation of your request dated _____, Control No. _____.☐ Your request was combined, prior to review, with your _____ request, Control No. _____.

III. CHECK RETURNED

☐ Enclosed is Check No. _____ which was returned to us by the bank for:☐ INSUFFICIENT FUNDS☐ ACCOUNT CLOSED☐ OTHER

MAIL THE REPLACEMENT CHECK TO THE ADDRESS LISTED AT THE TOP OF THIS FORM AND REFERENCE THE ABOVE CONTROL NUMBER.

IV. LICENSE ISSUED WITHOUT THE REQUIRED FEE

☐ License No. _____, Amendment No. _____, issued on _____ was issued without the required fee being collected. The fee required is noted in Section I of this form.☐ The scope of your licensed program was increased. Therefore, your request is subject to the application fee(s) noted in Section I of this form. Refer to Section 170.31 and Footnote 1(d)(2).☐ Because of the urgency of your request, the license was issued without remittance of the prescribed fee noted in Section I of this form.

For CPAD
Technologies, Inc.

AGISS POWER TECHNOLOGIES CORPORATION

130 ALBERT STREET, SUITE 200
OTTAWA, ONT. K1P 5G4
(613) 230-0609 FAX: (613) 230-3805

0179

PAY TO
THE ORDER OF

U.S. Nuclear Regulatory
Commission

Nine thousand

U.S. FUNDS

\$ 9000.00

THE TORONTO-DOMINION BANK
COMMERCIAL BANKING CENTRE
106 SPARKS ST.
OTTAWA, ONT. K1P 5S8

AGISS POWER TECHNOLOGIES CORPORATION

3J (4,400) I
Jul. 8 I
AA905 APP
3B 81200 I
Jul. 8 I
7A 83,400 PER
Jul 9 1500

FOR NRC license



⑈0000179⑈ ⑆32326⑈004⑆ 0260⑈736625⑈

030-34271



September 17, 1996

Ms. Susan Greene
Mail Station T8F5
Nuclear Regulatory Commission
Washington, D.C. 20555-0001

Dear Ms Greene:

In response to the letters received from Ms. Dolice and Mr. Smith, and your conversation with Mr. McEachern, on September 17, it appears that it is in the best interest of CPAD to request an "Exempt Distribution License". Please void our initial request (mail control number 123410), a new NRC Form 313 will be completed and forwarded to the NRC headquarters as advised. As discussed the fee for the licenses have been invoiced and paid; any adjustment will be made when the review of our file has been completed.

Thanks for your support in this matter.

Sincerely,

A handwritten signature in dark ink, appearing to read "Scott Feagan", with a long horizontal flourish extending to the right.

Mr. Scott Feagan
President
CPAD Technologies Inc.

Ms. Kathleen Dolice, Region 1
Mr. Brian Smith, NRC Headquarters

021877

CPAD Technologies Inc.
66 Slater Street, 6th Floor
Ottawa, Ontario
K1P 5H1
Tel: (613) 230-0609
Fax: (613) 230-3805

U.S. Nuclear Regulatory Commission
Office of Nuclear Material Safety and Safeguards
Division of Industrial & Medical Nuclear Safety
Washington, DC 20555
USA

226

To Whom It May Concern:

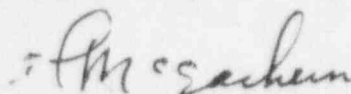
Reference conversations with Mr. Steven Baggett, May 30, 1996, and Ms. Sandra Kimberly, May 28, 1996.

CPAD Technologies Inc. is submitting the attached documentation concerning the application for a General License, Device Review, and a Possession License, authorizing the distribution of a detection system containing a by-product material, specifically, Nickel-63.

As suggested in the conversation with Mr. Baggett, the fee is not enclosed due to the uncertainty on CPAD's part as to what the fee structure will be, and due to the unknown changes to the fees that were effective June 1, 1996. The fee(s) will be submitted when requested.

If further information is required concerning this application, please feel free to contact the undersigned. Thank you for your consideration in this matter.

Sincerely,



A.L. McEachern
Director, Business Development

Enclosures

APPLICATION FOR MATERIAL LICENSE

ESTIMATED BURDEN PER RESPONSE TO COMPLY WITH THIS INFORMATION COLLECTION REQUEST: 9 HOURS. SUBMITTAL OF THE APPLICATION IS NECESSARY TO DETERMINE THAT THE APPLICANT IS QUALIFIED AND THAT ADEQUATE PROCEDURES EXIST TO PROTECT THE PUBLIC HEALTH AND SAFETY. FORWARD COMMENTS REGARDING BURDEN ESTIMATE TO THE INFORMATION AND RECORDS MANAGEMENT BRANCH (MNBB 7714), U.S. NUCLEAR REGULATORY COMMISSION, WASHINGTON, DC 20555-0001 AND TO THE PAPERWORK REDUCTION PROJECT (3150-0120), OFFICE OF MANAGEMENT AND BUDGET, WASHINGTON, DC 20503.

INSTRUCTIONS: SEE THE APPROPRIATE LICENSE APPLICATION GUIDE FOR DETAILED INSTRUCTIONS FOR COMPLETING APPLICATION. SEND TWO COPIES OF THE ENTIRE COMPLETED APPLICATION TO THE NRC OFFICE SPECIFIED BELOW.

APPLICATION FOR DISTRIBUTION OF EXEMPT PRODUCTS FILE APPLICATIONS WITH:

DIVISION OF INDUSTRIAL AND MEDICAL NUCLEAR SAFETY
OFFICE OF NUCLEAR MATERIALS SAFETY AND SAFEGUARDS
U.S. NUCLEAR REGULATORY COMMISSION
WASHINGTON, DC 20555-0001

ALL OTHER PERSONS FILE APPLICATIONS AS FOLLOWS:

IF YOU ARE LOCATED IN:

CONNECTICUT, DELAWARE, DISTRICT OF COLUMBIA, MAINE, MARYLAND,
MASSACHUSETTS, NEW HAMPSHIRE, NEW JERSEY, NEW YORK, PENNSYLVANIA,
RHODE ISLAND, OR VERMONT, SEND APPLICATIONS TO:

LICENSING ASSISTANT SECTION
NUCLEAR MATERIALS SAFETY BRANCH
U.S. NUCLEAR REGULATORY COMMISSION, REGION I
475 ALLENDALE ROAD
KING OF PRUSSIA, PA 19406-1415

ALABAMA, FLORIDA, GEORGIA, KENTUCKY, MISSISSIPPI, NORTH CAROLINA, PUERTO
RICO, SOUTH CAROLINA, TENNESSEE, VIRGINIA, VIRGIN ISLANDS, OR WEST VIRGINIA,
SEND APPLICATIONS TO:

NUCLEAR MATERIALS LICENSING SECTION
U.S. NUCLEAR REGULATORY COMMISSION, REGION II
101 MARIETTA STREET, NW, SUITE 2900
ATLANTA, GA 30323-0199

IF YOU ARE LOCATED IN:

ILLINOIS, INDIANA, IOWA, MICHIGAN, MINNESOTA, MISSOURI, OHIO, OR WISCONSIN,
SEND APPLICATIONS TO:

MATERIALS LICENSING SECTION
U.S. NUCLEAR REGULATORY COMMISSION, REGION III
801 WARRENVILLE RD
LISLE, IL 60532-4351

ARKANSAS, COLORADO, IDAHO, KANSAS, LOUISIANA, MONTANA, NEBRASKA, NEW
MEXICO, NORTH DAKOTA, OKLAHOMA, SOUTH DAKOTA, TEXAS, UTAH, OR WYOMING,
SEND APPLICATIONS TO:

NUCLEAR MATERIALS LICENSING SECTION
U.S. NUCLEAR REGULATORY COMMISSION, REGION IV
811 RYAN PLAZA DRIVE, SUITE 400
ARLINGTON, TX 76011-8064

ALASKA, ARIZONA, CALIFORNIA, HAWAII, NEVADA, OREGON, WASHINGTON, AND U.S.
TERRITORIES AND POSSESSIONS IN THE PACIFIC, SEND APPLICATIONS TO:

RADIOACTIVE MATERIALS SAFETY BRANCH
U.S. NUCLEAR REGULATORY COMMISSION, REGION V
1450 MARIA LANE
WALNUT CREEK, CA 94596-5356

PERSONS LOCATED IN AGREEMENT STATES SEND APPLICATIONS TO THE U.S. NUCLEAR REGULATORY COMMISSION ONLY IF THEY WISH TO POSSESS AND USE LICENSED MATERIAL IN STATES SUBJECT TO U.S. NUCLEAR REGULATORY COMMISSION JURISDICTIONS.

1. THIS IS AN APPLICATION FOR (Check appropriate item)

- ☒ A. NEW LICENSE
☐ B. AMENDMENT TO LICENSE NUMBER _____
☐ C. RENEWAL OF LICENSE NUMBER _____

2. NAME AND MAILING ADDRESS OF APPLICANT (Include Zip code)

CPAD Technologies Inc.
66 Slater Street, 6th Floor
Ottawa, Ontario
Canada K1P 5H1

3. ADDRESS(ES) WHERE LICENSED MATERIAL WILL BE USED OR POSSESSED

Coulter Sales
444 Barneys Joy Road
South Dartmouth, Massachusetts
02748-1004 USA

4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION

Al McEachern

TELEPHONE NUMBER

613-230-0609

SUBMIT ITEMS 5 THROUGH 11 ON 8-1/2 X 11" PAPER. THE TYPE AND SCOPE OF INFORMATION TO BE PROVIDED IS DESCRIBED IN THE LICENSE APPLICATION GUIDE.

5. RADIOACTIVE MATERIAL a. Element and mass number; b. chemical and/or physical form; and c. maximum amount which will be possessed at any one time	6. PURPOSE(S) FOR WHICH LICENSED MATERIAL WILL BE USED
7. INDIVIDUAL(S) RESPONSIBLE FOR RADIATION SAFETY PROGRAM AND THEIR TRAINING EXPERIENCE	8. TRAINING FOR INDIVIDUALS WORKING IN OR FREQUENTING RESTRICTED AREAS
9. FACILITIES AND EQUIPMENT	10. RADIATION SAFETY PROGRAM
11. WASTE MANAGEMENT	12. LICENSEE FEES (See 10 CFR 170 and Section 170.31) FEE CATEGORY <u>TBD</u> AMOUNT ENCLOSED \$ <u>TBD</u>
13. CERTIFICATION (Must be completed by applicant) THE APPLICANT UNDERSTANDS THAT ALL STATEMENTS AND REPRESENTATIONS MADE IN THIS APPLICATION ARE BINDING UPON THE APPLICANT. THE APPLICANT AND ANY OFFICIAL EXECUTING THIS CERTIFICATION ON BEHALF OF THE APPLICANT, NAMED IN ITEM 2, CERTIFY THAT THIS APPLICATION IS PREPARED IN CONFORMITY WITH TITLE 10, CODE OF FEDERAL REGULATIONS, PARTS 30, 32, 33, 34, 35, 36, 39 AND 40, AND THAT ALL INFORMATION CONTAINED HEREIN IS TRUE AND CORRECT TO THE BEST OF THEIR KNOWLEDGE AND BELIEF. WARNING: 18 U.S.C. SECTION 1001 ACT OF JUNE 25, 1948 62 STAT. 749 MAKES IT A CRIMINAL OFFENSE TO MAKE A WILLFULLY FALSE STATEMENT OR REPRESENTATION TO ANY DEPARTMENT OR AGENCY OF THE UNITED STATES AS TO ANY MATTER WITHIN ITS JURISDICTION.	

CERTIFYING OFFICER - TYPED/PRINTED NAME AND TITLE Business
Al McEachern, Director, Development

SIGNATURE

Al McEachern

DATE

20 June 96

FOR NRC USE ONLY

TYPE OF FEE	FEE LOG	FEE CATEGORY	AMOUNT RECEIVED	CHECK NUMBER	COMMENTS
			\$		
APPROVED BY				DATE	

APPLICATION FOR LICENSE

NRC FORM 313

ITEMS 5 AND 6

GENERAL LICENSE AND DEVICE APPLICATION

5. RADIOACTIVE MATERIAL: Nickel-63

The Nickel-63 source is purchased from NRD Static Controls and is registered with the NRC as N1001. The source is 3.3 millicuries in strength and is plated on a nickel substrate 0.008" thick.

The maximum amount that will be possessed at any one time will be 16.5 millicuries.

6. PURPOSE FOR WHICH THE LICENSED MATERIAL WILL BE USED.

The Nickel-63 source is used in Ion Mobility Spectrometer (IMS) detectors. These detectors are a component of CPAD's Explosives Detection System, and the Narcotics & Explosives Detection System.

CPAD will be selling these systems in the U.S. upon obtaining the appropriate license.

1.0 APPLICANT

This application is being submitted by CPAD Technologies Inc., a Canadian firm. The device referred to in this application is manufactured by CPAD and will be transferred to the U.S. through the U.S. office under a possession license issued under 32.51.

CPAD is submitting this application for a device review and a general license under provisions 31.5.

Head Office:

CPAD Technologies Inc.
66 Slater Street
Ottawa, Ontario
Canada
K1P 5H1

Contact: Mr. Al McEachern
Director, Business Development

Tel: 613-230-0609
Fax: 613-230-3805

U.S. Office:

Coulter Sales
444 Barney's Joy Road
South Dartmouth, Massachusetts
02748-1004

Contact: Mr. Gordon Coulter

Tel: 508-636-6944
Fax: 508-636-3948

2.0 DEVICE TYPE

The device is intended for use under a general license, specifically 31.5, for the purpose of detecting organic compounds. The device is called an Ion Mobility Spectrometer (IMS) Detector. This device contains a Nickel-63 source.

3.0 MODEL NUMBER

The designated model number for a device containing the Nickel-63 source will be **xxxxxx** followed by the serial number **yyyyyy**.

i.e. **xxxxxx yyyyyy**

4.0 OTHER COMPANIES INVOLVED

CPAD Technologies Inc. of Canada purchases the Nickel source from a U.S. firm:

NRD Static Control Products
2937 Alt Boulevard North
Grand Island, NY 14072-1292

5.0 RADIOACTIVE SOURCE MODEL DESIGNATION

The Nickel source purchased from NRD is registered with the NRC as N1001.

6.0 RADIONUCLIDES AND MAXIMUM ACTIVITY

Each device contains a Nickel-63 source of 3.3 millicuries.

7.0 LEAK TEST FREQUENCY

A leak test will be conducted before shipment and a copy of the test results will accompany the system. Follow on leak tests will be conducted every twelve months.

8.0 PRINCIPAL USE CODE

The principal use code is "N." The Nickel-63 is used as an ion generating source for the IMS Detector.

9.0 DESCRIPTION OF THE DEVICE

The device referred to in this application is called an Ion Mobility Spectrometer (IMS). This device is used to detect organic compounds. These compounds are injected into the IMS via a carrier gas (air or nitrogen). Upon entering the IMS, the molecules contained in the carrier gas are ionized by the Nickel-63 source. These ionized molecules then drift down a drift region and are separated according to their mass.

The IMS Detector measures 1.86" in length and 2.5" in diameter. The IMS Detector is then placed inside a metal box measuring 12" in length, 6" in height, and 2" in depth. This box is referred to as the Analytical Unit.

10.0 PURPOSE OR INTENDED USE OF THE DEVICE

It is intended that this device will be used in a number of products manufactured by CPAD for the purpose of detecting organic compounds. CPAD currently manufactures Explosives Detection Systems and Narcotics Detection Systems, which incorporate one or two of the devices referred to in this application. Although these detection systems may change and new products will be introduced, the "device" referred to in this application, which will be used as a component in many of these systems, will not change from the description contained in this application, without an amendment request.

The device is designed to be installed in a fixed location within the system; it does not move.

11.0 RADIATION SAFETY FEATURES OF THE DEVICE

In this particular case, the safety concerns revolve around the Nickel-63 source. Specifically, its mounting, access to the source, shielding, materials of construction, its ability to withstand harsh conditions with no external radiation leaks, and the proper labelling of the device.

11.1 Method of Construction

Materials for construction are aluminium and teflon, with all screws and bolts being stainless steel. The specific materials for each component is indicated in the appropriate drawings.

Figure A (drawing number MA-A-077) depicts the final assembly of the IMS Detector. The Detector is then installed inside the Analytical Unit shown in Figure B (drawing number MA-A-078).

11.2 General Description

The IMS is composed of:

- i) The source holder sub-assembly. Drawing number IM-B-035.
- ii) The source cover sub-assembly. Drawing number IM-B-037
- iii) The base. Drawing number IM-B-001.
- iv) The source base. Drawing number IM-0-002.

The source holder sub-assembly is attached to the source base, then the base is slid over the source holder sub-assembly and firmly secured to the source base enclosing the entire IMS. See drawing number IM-B-040.

11.3 Method of Assembly

a. Source Holder Sub-Assembly

The assembly of the source is depicted in drawing number IM-0-035. A breakdown of the specific items found in this drawing are as follows:

Item # 3 reference drawing number IM-B-020

Item # 4 reference drawing number IM-B-022

Item # 5 reference drawing number IM-B-023

Item # 6 reference drawing number IM-B-024

Item # 7 stainless steel screen

item # 10 **Nickel-63 source**

Method of assembly Reference drawing number IM-B-035.

- i) The Nickel-63 source, item # 10 is pressed into the back of the recessed hole located in the centre of item # 4, which is constructed of aluminium.
- ii) Item # 4 containing the Nickel-63 source is placed into item # 3, which is constructed of teflon.
- iii) Item # 5 is then placed on the front of item # 4.
- iv) Item # 7, the stainless steel screen, is then placed in the centre of the front face on item # 5.
- v) Item # 6, constructed of aluminium, is used to secure the Nickel-63 source firmly into item # 3. Item # 6 fits tightly into item # 3, and is secured by two stainless steel bolts, item # 15, and the nuts and washers item #s 1, 16, and 17. This process sandwiches the Nickel-63 source into a securely tight enclosure and does not allow any movement.

b. Assembly of the Source Holder Sub-assembly to the Source Base.

- i) The source base is constructed from aluminium bar stock as per drawing number IM-B-002.
- ii) The completed source holder sub-assembly is then attached to the source base. This is accomplished by inserting the source holder sub-assembly item # 1 on drawing number IM-B-036 at the teflon end, into the source base item # 2 drawing number IM-B-036. These two components are then screwed together using the screws designated as item # 5 on the drawing.

c. Assembly of the Base to the Source Base.

- i) The base is constructed from aluminium bar stock as per drawing number IM-B-001.
- ii) The base is then secured to the source base as depicted in drawing number IM-B-040 with four stainless steel screws item # 7.

The completed IMS Detector showing the overall dimensions can be seen in Figure A (drawing number MA-A-077).

d. Assembly of IMS Detector in the Analytical Unit.

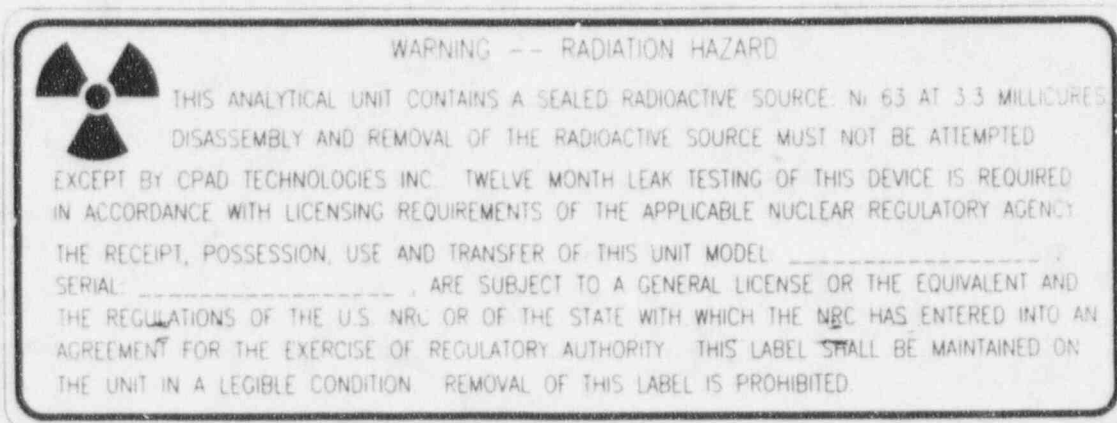
The completed IMS Detector is securely fastened inside the Analytical Unit, sandwiched between the two sides and screwed to the box using three stainless steel screws as depicted in Figure B (drawing number MA-A-078).

The method and materials of construction outlined above allows for optimal security and safety of the Nickel-63 source by:

- i) The method of mounting the Nickel-63 source in the source holder sub-assembly ensures the source will stay put in the sub-assembly even under extreme conditions.
- ii) Shielding of the source is three fold. First, in the source holder, second, in the source base assembly, and third, by placing the IMS Detector in the Analytical Unit.
- iii) Access to the source by human hands is impossible as there are no openings or orifices large enough in the Analytical Unit to allow human hands to penetrate.

11.4 Labelling

A warning label (drawing number LA-B-007) will be affixed to the device in the location depicted in Figure C (drawing number MA-A-079). This location should ensure visibility of the label in most cases regardless of the type of equipment the device will be installed in. If the installation does not allow for easy visibility, a second label will be affixed to a surface that is visible. The label will be an adhesive type with the radiation symbol being a magenta colour on a yellow background. The label will read as follows:



11.5 Manual

All manuals supplied with any systems containing a Nickel-63 source will have:

- a. On the inside of the front cover an 8 1/2" x 11" page containing the same words as depicted on the label above, and an additional sentence located at the end stating: "For additional instructions on leak testing and servicing refer to the section entitled "Radioactive Device" contained in this manual".
- b. A separate section entitled "Radioactive Device", containing the following information:

General

This equipment contains a radioactive device(s). Which is licensed under the U.S. NRC and is subject to licensing requirements. Each device contains 3.3 millicuries of Nickel-63.

There is no direct radiation hazard from this source which is sealed inside the IMS Detector. No attempt should be made to open and service the device or to remove the source.

Leak Test Requirements

Each device must be leak tested at regular intervals, not to exceed twelve months. Leak test kits and the required analysis may be obtained from the National Leak Test Centre.

Procedure for Leak Testing

Turn the system off and let stand for one hour. Using the swabs supplied with the leak test kit, wipe the entire outer surface of the device including the gas flow line labelled "EXIT" attached to the device. Handle the sampled in accordance with the instructions provided with the test kit.

Servicing

Under no circumstances should any attempt be made to open and service this device.

In the event the device requires servicing, contact the CPAD U.S. representative at:

Coulter Sales
444 Barney's Joy Rd.
South Dartmouth, Massachusetts
02748-1004

Contact: Mr. Gordon Coulter
Tel: 508-636-6944
Fax: 508-636-3948

11.6 Prototype Testing

CPAD has been manufacturing and selling Explosives Detection Systems commercially in Canada and other parts of the world for three years. To date no contamination or leakage has been recorded. As part of the prototype testing, a device which was manufactured in 1992 will be wiped, and the results submitted along with the results from an evaluation according to ANSI N542.

The designated classification code of this device is ANSI 77C32211.

The following tests have been conducted in accordance with the ANSI standard. Testing was carried out in the first instance with the IMS Detector Installed in the Analytical Unit; to get closer to the "source", the IMS was removed from the Analytical Unit.

The IMS selected for testing is identified as IMS-1-013, and contained a Nickel-63 source supplied by NRD in September 1994. (See Appendix A for test results)

1) Baseline Test

The Analytical Unit with the IMS installed was wiped tested to determine the baseline. The results are identified as Code A-1 and Code A-2.

2) External Pressure Test

A vacuum chamber was constructed, and the IMS Detector installed in the Analytical Unit was placed in the chamber. Using a vacuum pump, the pressure in the chamber was brought down to 4 psi, and held there for five minutes. The chamber was then brought back to atmospheric pressure, and the procedure repeated a second time. The IMS Detector was then wipe tested. A second set of tests was done with the IMS removed from the Analytical Unit. The results are identified as Code B-1, Code B-2, Code C-1, and Code C-2.

3) The Hammer Impact Test

A steel hammer of 50.9 g mass was constructed according to the ANSI standard and dropped once from a height of 1 m on the IMS Detector. The IMS Detector was placed on a cement floor during this test. A dry wipe test was performed. The results are identified as Code D-1 and Code D-2.

4) High Temperature Test

The IMS Detector was placed in a convection oven at 36 degrees C and was brought to a temperature of 260 degrees C in 6 minutes, and was maintained at that temperature for one hour. Air was passed through the IMS during the one hour heating period. The IMS was removed from the oven and left to cool for 40 minutes, after which a wipe test was performed. The results are identified as Code E-1 and Code E-2.

5) Low Temperature Test

The IMS Detector was placed into a styrofoam container, which was filled with dry ice, and left there for one hour. The IMS was removed from the container and was allowed to warm up for one hour and thirty minutes. Air was passed through the IMS for 10 minutes, after which a wipe test was carried out. The results are identified as Code F-1 and Code F-2.

6) The Drop Test

The IMS Detector was dropped ten times from a height of 1.5 m on a steel plate in such a way that all surfaces were impacted at least once. A dry wipe test was performed. The results are identified as Code G-1 and G-2.

7) History Test

A device similar to the one tested above that was Manufactured in September 1992, was wipe tested using the dry wipe method. In this case, the Analytical Unit containing the IMS was wiped and then a side panel was removed to expose the IMS, which was also wiped. The results are identified as Code H-1.

12.0 INSTALLATION

The IMS will be installed in the Analytical Unit by CPAD Technologies Inc. of Canada and therefore will never come in contact with any other person other than the manufacturer.

13.0 SERVICING

In the event a device requires servicing, the device will be returned to Canada where a person at the licensed facility will perform the work. No servicing or opening of the device is to be performed in the U.S. office.

APPENDIX A

LEAK TEST RESULTS



Atomic Energy
Control Board

Commission de contrôle
de l'énergie atomique

Ottawa, Canada
K1P 5S9

DIRECTORATE OF FUEL CYCLE
AND MATERIALS REGULATION

Telephone: (613) 943-1568

January 31, 1996

N. Barton Radiation Protection Services
38 Auriga Drive
Suite 269
Nepean, Ontario
K2E 8A5

Dear Mr. Barton:

This is to inform you that your equipment and procedures have been assessed by Atomic Energy Control Board (AECB) staff and found to satisfy the criteria set out in regulatory guide R-116 (Requirements for Leak Testing Selected Sealed Radiation Sources). The name and location of your organization and the name of the appropriate contact person will be maintained in our database. This information will be provided to AECB licensed users of leak test services upon request and to applicants for new licences.

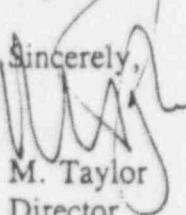
Please note that this is restricted to the isotopes specified in your submission, namely:

- | | | | |
|-----------|-----------|-----------|------------|
| 1. Co-60 | 4. Am/Be | 7. Am-241 | 10. Cd-109 |
| 2. Sr-90 | 5. Ir-192 | 8. Fe-55 | |
| 3. Cs-137 | 6. Cm-244 | 9. Ni-63 | |

Future re-assessments of your equipment and procedures will be done periodically. If future assessments continue to be positive, information on your organization will continue to be made available as described above. Future re-assessments will likely be coordinated with your regularly scheduled licence inspections.

If you have any questions regarding this matter, please forward them to the Materials Regulation Division at the above address.

Sincerely,


M. Taylor
Director

Materials Regulation Division

c.c.: CRO

ASG/MRD/96-0413

Canada

Fax/Telecopieur (613)995-5086
Envoy AECBREG

WIPE TEST INFORMATION

CODE A	Initial test on complete Analytical Unit Counts/50 min 2096 paper Counts/50 min 2132 cotton swab	27 May 96
CODE B	Pressure test on Complete Analytical Unit Counts/50 min 2184 paper Counts/50 min 2024 cotton swab	27 May 96
CODE C	Pressure test IMS Counts/50 min 2119 paper Counts/50 min 2147 cotton swab	27 May 96
CODE D	Hammer impact test IMS Counts/50 min 2089 paper Counts/50 min 2016 cotton swab	28 May 96
CODE E	High temperature test IMS Counts/50 min 2040 paper Counts/50 min 2139 cotton swab	28 May 96
CODE F	Low temperature test IMS Counts/50 min 2103 paper Counts/50 min 2073 cotton swab	29 May 96
CODE G	Drop test IMS Counts/50 min 2213 paper Counts/50 min 2077 cotton swab	29 May 96
CODE H	History test complete Analytical Unit plus exposed surface of IMS Counts/50 min 2123 paper	29 May 96

Leak Test Measuring Certificate

LICENSEE

Co.Name: CPAD Technologies Inc.
Address: 40 Camelot Drive, Nepean, Ontario K2G 5X8
AECB Lic.#: 5-10813-98
Telephone#: 613-224-9939
Contact Person: Al McEachern

MEASURER

Name: P. Finnigan
Address: 1612 Drake Avenue, Ottawa, Ontario K1G 0L8
Telephone: (613) 731-0643
Sampling Date: May 27, 1996
Sample I.D.: Code A - 1
Date of last calibration and verification check: May 1, 1996

MEASUREMENT

Measuring method: HP-260 probe with scaler

Background (counts/50 min.): 2065

Sample (counts/50 min.): 2096

E = detector efficiency: .003

Activity (Bq) ≤ 18.7 $= \frac{\text{counts} - \text{bkgd.}}{3000 \text{ sec} \times E}$

Conclusions: < the AECB leak test criteria of 200 Bq

Actions: None required

Measuring Date: May 30, 1996

Signature of Measurer: 

Leak Test Measuring Certificate

LICENSÉE

Co.Name: CPAD Technologies Inc.

Address: 40 Camelot Drive, Nepean, Ontario K2G 5X8

AECB Lic.#: 5-10813-98

Telephone#: 613-224-9939

Contact Person: Al McEachern

MEASURER

Name: P. Finnigan

Address: 1612 Drake Avenue, Ottawa, Ontario K1G 0L8

Telephone: (613) 731-0643

Sampling Date: May 27, 1996

Sample I.D.: Code A - 2

Date of last calibration and verification check: May 1, 1996

MEASUREMENT

Measuring method: HP-260 probe with scaler

Background (counts/50 min.): 2065

Sample (counts/50 min.): 2132

E = detector efficiency: .003

Activity (Bq) $\leq \frac{19.7 \text{ counts} - \text{bkgd.}}{3000 \text{ sec} \times E}$

Conclusions: < the AECB leak test criteria of 200 Bq

Actions: None required

Measuring Date: May 30, 1996

Signature of Measurer: Paul Finnigan

Leak Test Measuring Certificate

LICENSEE

Co.Name: CPAD Technologies Inc.

Address: 40 Camelot Drive, Nepean, Ontario K2G 5X8

AECB Lic.#: 5-10813-98

Telephone#: 613-224-9939

Contact Person: Al McEachern

MEASURER

Name: P. Finnigan

Address: 1612 Drake Avenue, Ottawa, Ontario K1G 0L8

Telephone: (613) 731-0643

Sampling Date: May 27, 1996

Sample I.D.: Code B - 1

Date of last calibration and verification check: May 1, 1996

MEASUREMENT

Measuring method: HP-260 probe with scaler

Background (counts/50 min.): 2065

Sample (counts/50 min.): 2194

E = detector efficiency: .003

Activity (Bq) ≤ 18.7 $= \frac{\text{counts} - \text{bkgd.}}{3000 \text{ sec} \times E}$

Conclusions: < the AECB leak test criteria of 200 Bq

Actions: None required

Measuring Date: May 30, 1996

Signature of Measurer: Paul Finnigan

Leak Test Measuring Certificate

LICENSEE

Co.Name: CPAD Technologies Inc.

Address: 40 Camelot Drive, Nepean, Ontario K2G 5X8

AECB Lic.#: 5-10813-98

Telephone#: 613-224-9939

Contact Person: Al McEachern

MEASURER

Name: P. Finnigan

Address: 1612 Drake Avenue, Ottawa, Ontario K1G 0L8

Telephone: (613) 731-0643

Sampling Date: May 27, 1996

Sample I.D.: Code B - 2

Date of last calibration and verification check: May 1, 1996

MEASUREMENT

Measuring method: HP-260 probe with scaler

Background (counts/50 min.): 2065

Sample (counts/50 min.): 2024

E = detector efficiency: .003

Activity (Bq) ≤ 18.7 $= \frac{\text{counts} - \text{bkgd.}}{3000 \text{ sec} \times E}$

Conclusions: < the AECB leak test criteria of 200 Bq

Actions: None required

Measuring Date: May 30, 1996

Signature of Measurer: Paul Finnigan

Leak Test Measuring Certificate

LICENSEE

Co.Name: CPAD Technologies Inc.

Address: 40 Camelot Drive, Nepean, Ontario K2G 5X8

AECB Lic.#: 5-10813-98

Telephone#: 613-224-9939

Contact Person: Al McEachern

MEASURER

Name: P. Finnigan

Address: 1612 Drake Avenue, Ottawa, Ontario K1G 0L8

Telephone: (613) 731-0643

Sampling Date: May 27, 1996

Sample I.D.: Code C - 1

Date of last calibration and verification check: May 1, 1996

MEASUREMENT

Measuring method: HP-260 probe with scaler

Background (counts/50 min.): 2065

Sample (counts/50 min.): 2119

E = detector efficiency: .003

Activity (Bq) ≤ 18.7 = $\frac{\text{counts} - \text{bkgd.}}{3000 \text{ sec} \times E}$

Conclusions: < the AECB leak test criteria of 200 Bq

Actions: None required

Measuring Date: May 30, 1996

Signature of Measurer: Paul Finnigan

Leak Test Measuring Certificate

LICENSEE

Co.Name: CPAD Technologies Inc.
Address: 40 Camelot Drive, Nepean, Ontario K2G 5X8
AECB Lic.#: 5-10813-98
Telephone#: 613-224-9939
Contact Person: Al McEachern

MEASURER

Name: P. Finnigan
Address: 1612 Drake Avenue, Ottawa, Ontario K1G 0L8
Telephone: (613) 731-0643
Sampling Date: May 27, 1996
Sample I.D.: Code C - 2
Date of last calibration and verification check: May 1, 1996

MEASUREMENT

Measuring method: HP-260 probe with scaler

Background (counts/50 min.): 2065

Sample (counts/50 min.): 2147

E = detector efficiency: .003

Activity (Bq) < 18.7 = $\frac{\text{counts} - \text{bkgd.}}{3000 \text{ sec} \times E}$

Conclusions: < the AECB leak test criteria of 200 Bq

Actions: None required

Measuring Date: May 30, 1996

Signature of Measurer: Paul Finnigan

Leak Test Measuring Certificate

LICENSEE

Co.Name: CPAD Technologies Inc.

Address: 40 Camelot Drive, Nepean, Ontario K2G 5X8

AECB Lic.#: 5-10813-98

Telephone#: 613-224-9939

Contact Person: Al McEachern

MEASURER

Name: P. Finnigan

Address: 1612 Drake Avenue, Ottawa, Ontario K1G 0L8

Telephone: (613) 731-0643

Sampling Date: May 27, 1996

Sample I.D.: Code D - 1

Date of last calibration and verification check: May 1, 1996

MEASUREMENT

Measuring method: HP-260 probe with scaler

Background (counts/50 min.): 2065

Sample (counts/50 min.): 2089

E = detector efficiency: .003

Activity (Bq) < 18.7 = $\frac{\text{counts} - \text{bkgd.}}{3000 \text{ sec} \times E}$

Conclusions: < the AECB leak test criteria of 200 Bq

Actions: None required

Measuring Date: May 30, 1996

Signature of Measurer: Paul Finnigan

Leak Test Measuring Certificate

LICENSEE

Co.Name: CPAD Technologies Inc.
Address: 40 Camelot Drive, Nepean, Ontario K2G 5X8
AECB Lic.#: 5-10813-98
Telephone#: 613-224-9939
Contact Person: Al McEachern

MEASURER

Name: P. Finnigan
Address: 1612 Drake Avenue, Ottawa, Ontario K1G 0L8
Telephone: (613) 731-0643
Sampling Date: May 27, 1996
Sample I.D.: Code D - 2
Date of last calibration and verification check: May 1, 1996

MEASUREMENT

Measuring method: HP-260 probe with scaler

Background (counts/50 min.): 2065

Sample (counts/50 min.): 2016

E = detector efficiency: .003

Activity (Bq) ≤ 18.7 $\frac{\text{counts} - \text{bkgd.}}{3000 \text{ sec} \times E}$

Conclusions: < the AECB leak test criteria of 200 Bq

Actions: None required

Measuring Date: May 30, 1996

Signature of Measurer: Paul Finnigan

Leak Test Measuring Certificate

LICENSEE

Co.Name: CP&D Technologies Inc.
Address: 40 Camelot Drive, Nepean, Ontario K2G 5X8
AECB Lic.#: 5-10813-98
Telephone#: 613-224-9939
Contact Person: Al McEachern

MEASURER

Name: P. Finnigan
Address: 1612 Drake Avenue, Ottawa, Ontario K1G 0L8
Telephone: (613) 731-0643
Sampling Date: May 27, 1996
Sample I.D.: Code E - 1
Date of last calibration and verification check: May 1, 1996

MEASUREMENT

Measuring method: HP-260 probe with scaler

Background (counts/50 min.): 2065

Sample (counts/50 min.): 2040

E = detector efficiency: .003

Activity (Bq) < 18.7 = $\frac{\text{counts} - \text{bkgd.}}{3000 \text{ sec} \times E}$

Conclusions: < the AECB leak test criteria of 200 Bq

Actions: None required

Measuring Date: May 30, 1996

Signature of Measurer: Paul Finnigan

Leak Test Measuring Certificate

LICENSEE

Co.Name: CPAD Technologies Inc.
Address: 40 Camelot Drive, Nepean, Ontario K2G 5X8
AECB Lic.#: 5-10813-98
Telephone#: 613-224-9939
Contact Person: Al McEachern

MEASURER

Name: P. Finnigan
Address: 1612 Drake Avenue, Ottawa, Ontario K1G 0L8
Telephone: (613) 731-0643
Sampling Date: May 27, 1996
Sample I.D.: Code E - 2
Date of last calibration and verification check: May 1, 1996

MEASUREMENT

Measuring method: HP-260 probe with scaler

Background (counts/50 min.): 2065

Sample (counts/50 min.): 2139

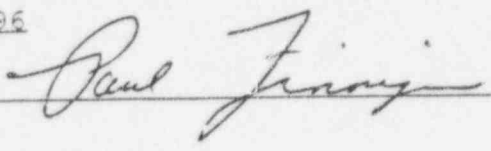
E = detector efficiency: .003

Activity (Bq) ≤ 18.7 = $\frac{\text{counts} - \text{bkgd.}}{3000 \text{ sec} \times E}$

Conclusions: < the AECB leak test criteria of 200 Bq

Actions: None required

Measuring Date: May 30, 1996

Signature of Measurer: 

Leak Test Measuring Certificate

LICENSEE

Co.Name: CPAD Technologies Inc.

Address: 40 Camelot Drive, Nepean, Ontario K2G 5X8

AECB Lic.#: 5-10813-98

Telephone#: 613-224-9939

Contact Person: Al McEachern

MEASURER

Name: P. Finnigan

Address: 1612 Drake Avenue, Ottawa, Ontario K1G 0L8

Telephone: (613) 731-0643

Sampling Date: May 27, 1996

Sample I.D.: Code F - 1

Date of last calibration and verification check: May 1, 1996

MEASUREMENT

Measuring method: HP-260 probe with scaler

Background (counts/50 min.): 2065

Sample (counts/50 min.): 2103

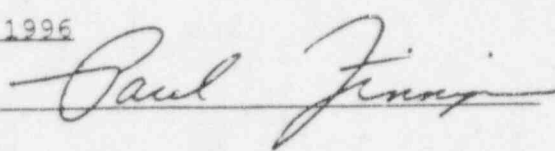
E = detector efficiency: .003

Activity (Bq) ≤ 18.7 $= \frac{\text{counts} - \text{bkgd.}}{3000 \text{ sec} \times E}$

Conclusions: < the AECB leak test criteria of 200 Bq

Actions: None required

Measuring Date: May 30, 1996

Signature of Measurer: 

Leak Test Measuring Certificate

LICENSEE

Co.Name: CPAD Technologies Inc.
Address: 40 Camelot Drive, Nepean, Ontario K2G 5X8
AECB Lic.#: 5-10813-98
Telephone#: 613-224-9939
Contact Person: Al McEachern

MEASURER

Name: P. Finnigan
Address: 1612 Drake Avenue, Ottawa, Ontario K1L 0L8
Telephone: (613) 731-0643
Sampling Date: May 27, 1996
Sample I.D.: Code F - 2
Date of last calibration and verification check: May 1, 1996

MEASUREMENT

Measuring method: HP-260 probe with scaler
Background (counts/50 min.): 2065
Sample (counts/50 min.): 2073
E = detector efficiency: .003
Activity (Bq) $\leq \frac{18.7 \text{ counts - bkgd.}}{3000 \text{ sec} \times E}$

Conclusions: < the AECB leak test criteria of 200 Bq

Actions: None required

Measuring Date: May 30, 1996

Signature of Measurer: Paul Finnigan

Leak Test Measuring Certificate

LICENSEE

Co.Name: CPAD Technologies Inc.

Address: 40 Camelot Dr.ve, Nepean, Ontario K2G 5X8

AECB Lic.#: 5-10813-98

Telephone#: 613-224-9939

Contact Person: Al McEachern

MEASURER

Name: P. Finnigan

Address: 1612 Drake Avenue, Ottawa, Ontario K1G 0L8

Telephone: (613) 731-0643

Sampling Date: May 27, 1996

Sample I.D.: Code G - 1

Date of last calibration and verification check: May 1, 1996

MEASUREMENT

Measuring method: HP-260 probe with scaler

Background (counts/50 min.): 2065

Sample (counts/50 min.): 2213

E = detector efficiency: .003

Activity (Bq) ≤ 18.7 $= \frac{\text{counts} - \text{bkgd.}}{3000 \text{ sec} \times E}$

Conclusions: < the AECB leak test criteria of 200 Bq

Actions: None required

Measuring Date: May 30, 1996

Signature of Measurer: Paul Finnigan

Leak Test Measuring Certificate

LICENSEE

Co.Name: CPAD Technologies Inc.
Address: 40 Camelot Drive, Nepean, Ontario K2G 5X8
AECB Lic.#: 5-10813-98
Telephone#: 613-224-9939
Contact Person: Al McEachern

MEASURER

Name: P. Finnigan
Address: 1612 Drake Avenue, Ottawa, Ontario K1G 0L8
Telephone: (613) 731-0643
Sampling Date: May 27, 1996
Sample I.D.: Code G - 2
Date of last calibration and verification check: May 1, 1996

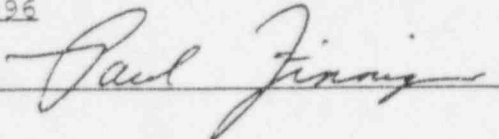
MEASUREMENT

Measuring method: HP-260 probe with scaler
Background (counts/50 min.): 2065
Sample (counts/50 min.): 2077
E = detector efficiency: .003
Activity (Bq) ≤ 18.7 $\frac{\text{counts} - \text{bkgd.}}{3000 \text{ sec} \times E}$

Conclusions: < the AECB leak test criteria of 200 Bq

Actions: None required

Measuring Date: May 30, 1996

Signature of Measurer: 

Leak Test Measuring Certificate

LICENSEE

Co.Name: CPAD Technologies Inc.
Address: 40 Camelot Drive, Nepean, Ontario K2G 5X8
AECB Lic.#: 5-10813-98
Telephone#: 613-224-9939
Contact Person: Al McEachern

MEASURER

Name: P. Finnigan
Address: 1612 Drake Avenue, Ottawa, Ontario K1G 0L8
Telephone: (613) 731-0643
Sampling Date: May 29, 1996
Sample I.D.: Code H
Date of last calibration and verification check: May 1, 1996

MEASUREMENT

Measuring method: HP-260 probe with scaler
Background (counts/50 min.): 2065
Sample (counts/50 min.): 2123
E = detector efficiency: .003
Activity (Bq) $\leq \frac{18.7 \text{ counts} - \text{bkgd.}}{3000 \text{ sec} \times E}$

Conclusions: < the AECB leak test criteria of 200 Bq

Actions: None required

Measuring Date: May 30, 1996

Signature of Measurer: Paul Finnigan

APPENDIX B

ASSOCIATED DRAWINGS

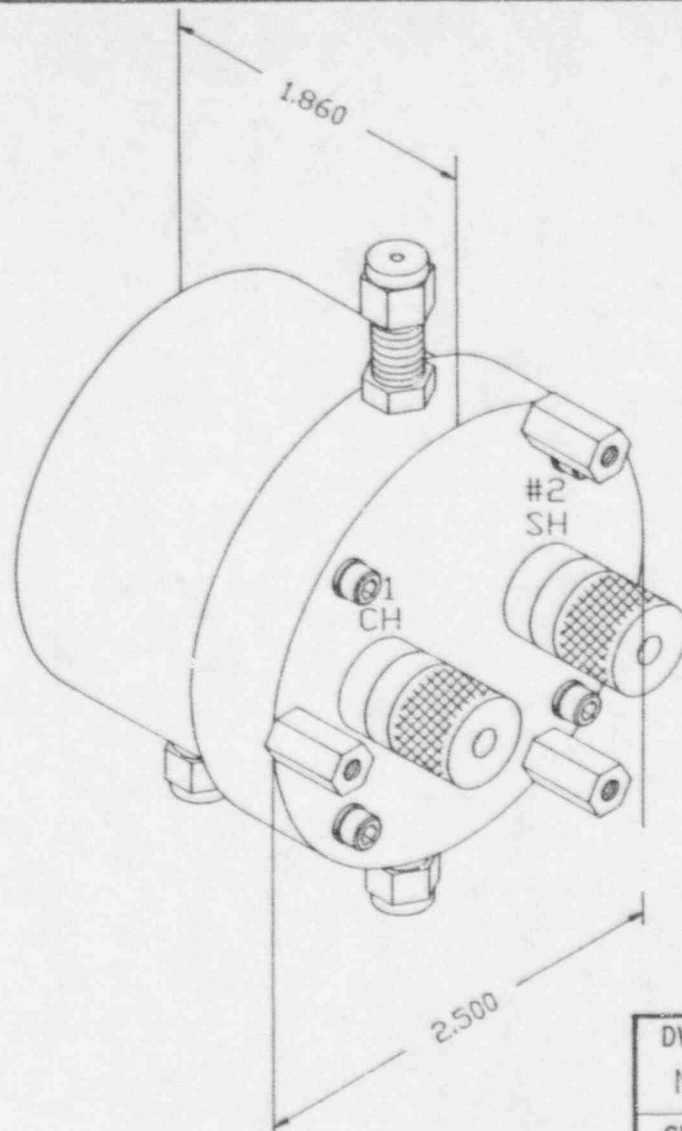



FIGURE A

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SYM	REVISION	DATE	BY	CHK

MA-A-077

ORIGINAL
Do Not Copy

DWG BY NDW		DATE 30/05/96			
CHK BY RMJ		DATE 03/06/96			
APPD BY WK		DATE 04.06.96			
SCALE NTS				TITLE IMS ASSEMBLY PICTORIAL REPRESENTATION	
SIZE A		SHEET 1 OF 1		DWG NO MA-A-077	
				REV -	

SYM	REVISION	DATE	BY	CHK

MA-A-078

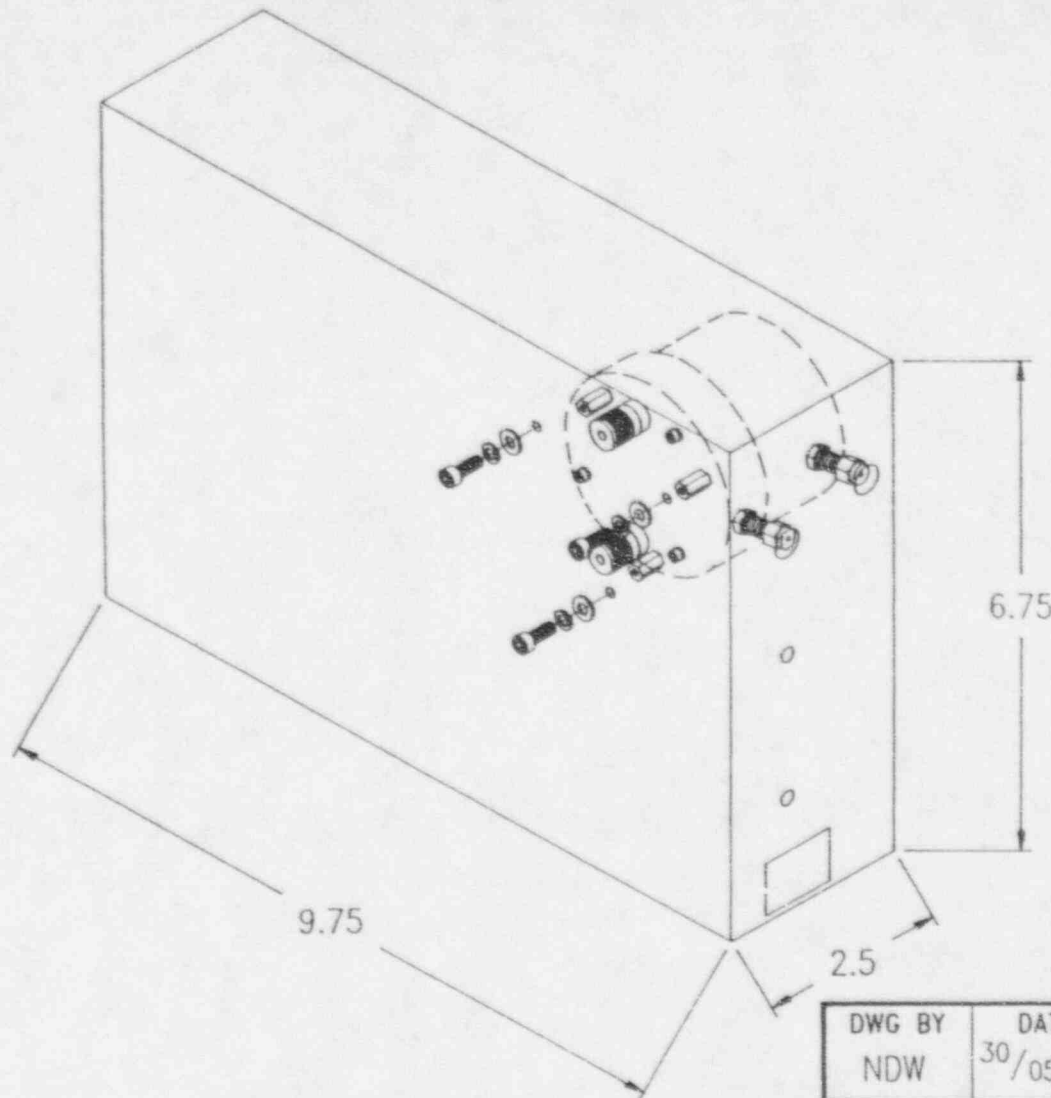


FIGURE B

ORIGINAL
Do Not Copy

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DWG BY NDW	DATE 30/05/96
CHK BY RMJ	DATE 03/06/96
APPD BY WK	DATE 04.06.96

SCALE
NTS

CPAD
TECHNOLOGIES INC.

TITLE

ANALYTICAL BOX
PICTORIAL REPRESENTATION

SIZE

A

SHEET 1 OF 1

DWG NO

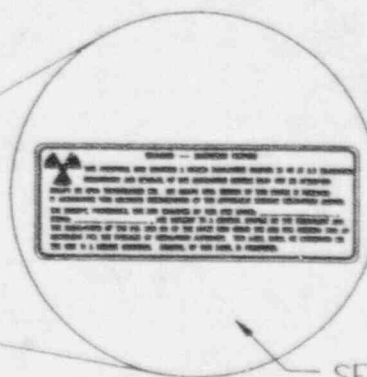
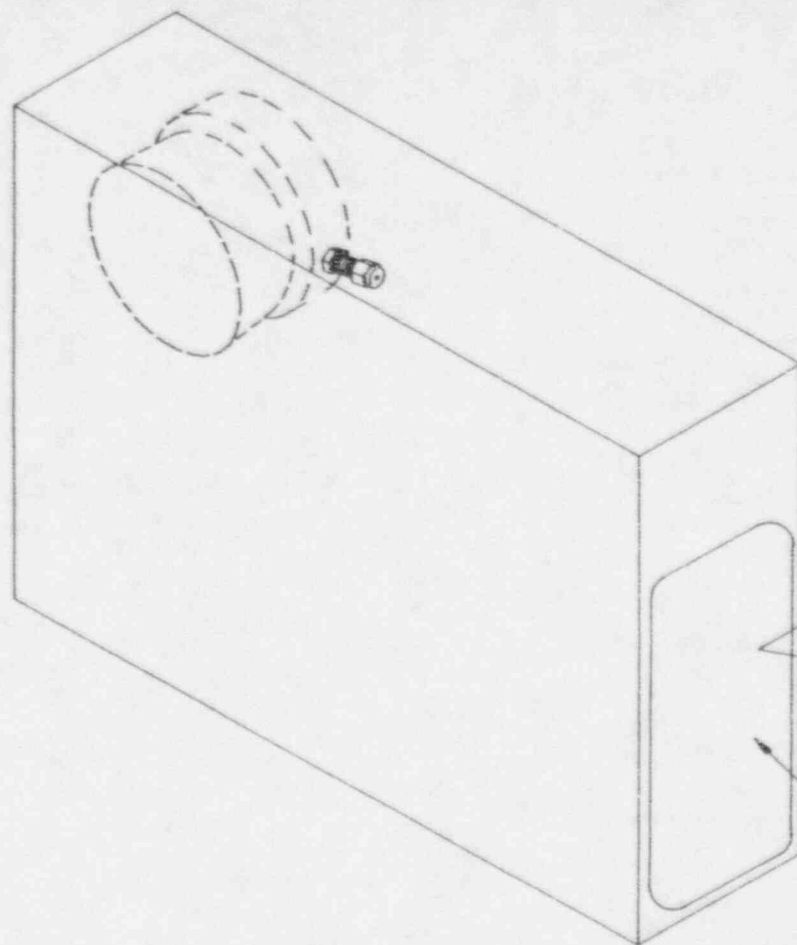
MA-A-078

REV

-

MA-A-079

SYM	REVISION	DATE	BY	CHK



SEE DWG # 1A-B-007

LABEL LOCATION ON BOX

FIGURE C

ORIGINAL
Do Not Copy

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DWG BY NDW	DATE 30/05/96
CHK BY RMJ	DATE 03/06/96
APPD BY WK	DATE 04.06.96

SCALE
NTS

CPAD
TECHNOLOGIES INC.

TITLE

ANALYTICAL BOX
PICTORIAL REPRESENTATION

SIZE
A

SHEET 1 OF 1

DWG NO

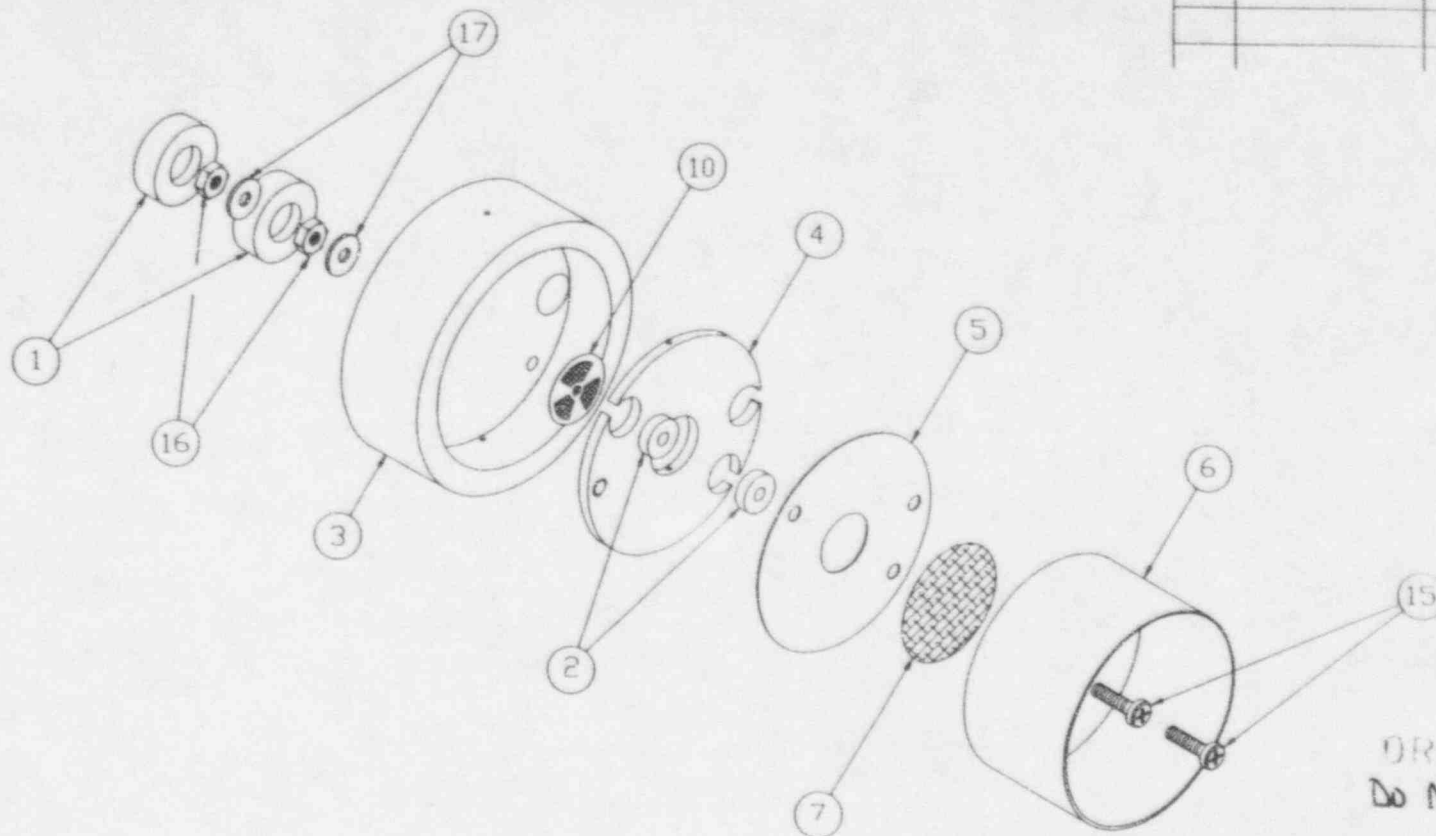
MA-A-079

REV

-

SYM	REVISION	DATE	BY	CHK

IM-B-035



ORIGIN
Do Not Copy

UNLESS OTHERWISE SPECIFIED

- DO NOT SCALE DRAWING.
- DIMENSIONS ARE IN INCH
- THREAD LENGTH DIMENSIONS ARE FULL THREADS.
- TOLERANCE ON DIMENSIONS (INCLUDING HOLES)

DECIMAL	.XX ± .01
	.XXX ± .005
	.XXXX ± .0005
FRACTIONAL	± .1
ANGULAR	± .1

- REMOVE ALL BURRS AND SHARP CORNERS .015 MAX.
- ROUGHNESS OF SURFACE NOT TO EXCEED 63 IN
- ALL RADII ARE .125 R
-

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MATERIAL
FINISH

DWG BY	DATE
RMJ	03/10/94
CHK BY	DATE
WK	04.06.96
APPD BY	DATE
WK	04.06.96

SCALE
1:1

CPAD
TECHNOLOGIES INC.

TITLE

SOURCE HOLDER
SUB-ASSEMBLY

SIZE
B

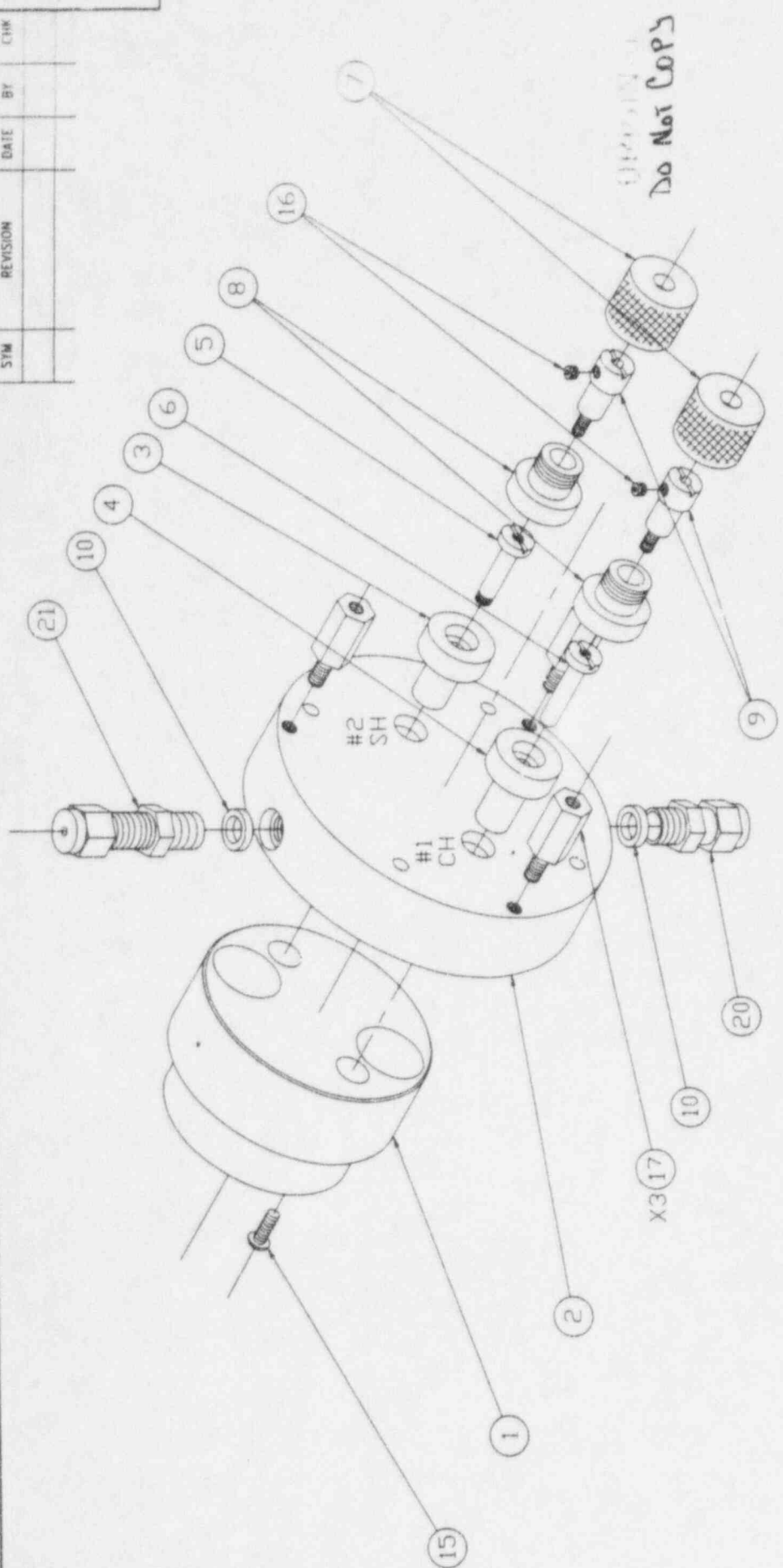
SHEET 1 OF 1

DWG NO
IM-B-035

REV
-

IM-B-036

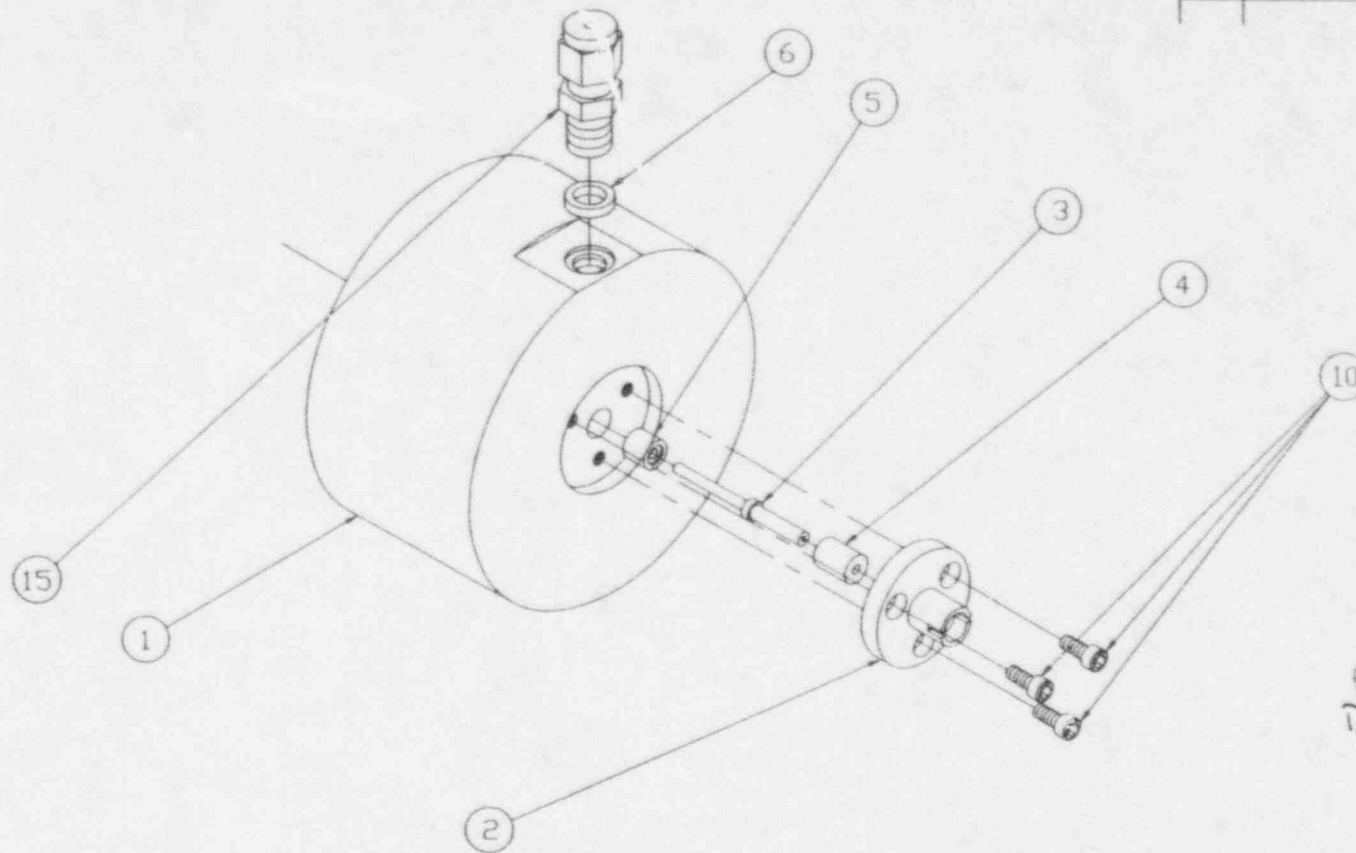
SYM	REVISION	DATE	BY	CHK




UNLESS OTHERWISE SPECIFIED		THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF CPAD TECHNOLOGIES INC. AND SHALL NOT BE REPRODUCED, COPIED OR USED AS THE BASIS FOR THE MANUFACTURE OR SALE OF APPARATUS WITHOUT THE WRITTEN PERMISSION OF CPAD TECHNOLOGIES INC.		CPAD TECHNOLOGIES INC.	
1. DO NOT SCALE DRAWING.	5. REMOVE ALL BURRS AND SHARP CORNERS .015 MAX.	DWG BY	DATE	CHK BY	DATE
2. DIMENSIONS ARE IN INCH	6. ROUGHNESS OF SURFACE NOT TO EXCEED 63 IN	RMJ	03/10/94	16/K	04/08/96
3. THREAD LENGTH DIMENSIONS ARE FULL THREADS.	7. ALL RADII ARE .125 R	APD BY	DATE	16/K	04/08/96
4. TOLERANCE ON DIMENSIONS (INCLUDING HOLES)		SCALE		TITLE	
DECIMAL	.XX ± .01 .XXX ± .005 .XXXX ± .0005	1:1		SOURCE BASE SUB-ASSEMBLY	
FRACTIONAL	± .1	SIZE		SHEET 1 OF 1	
ANGULAR	± .1	DWG NO		REV	
		IM-B-036		-	

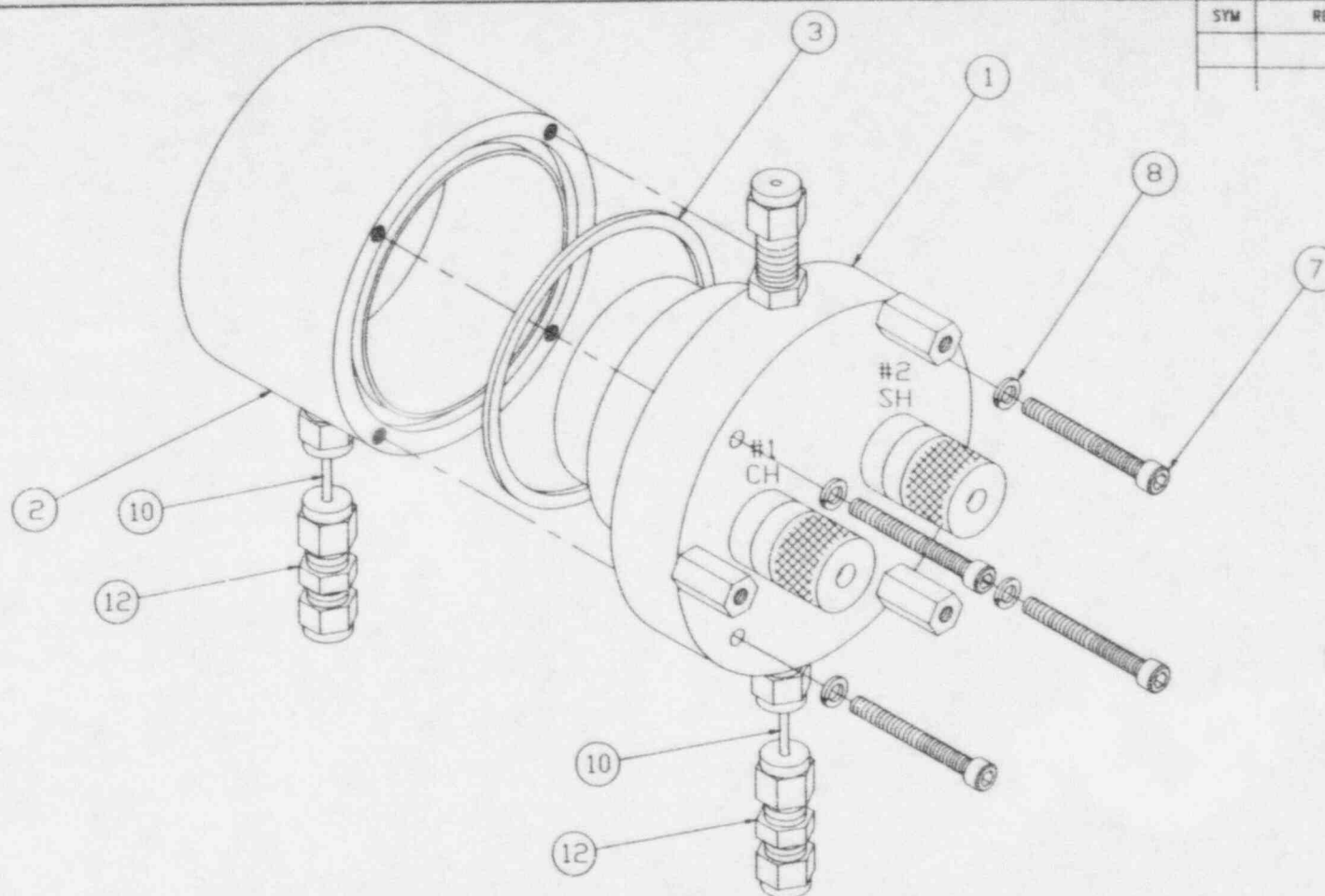
SYM	REVISION	DATE	BY	CHK

IM-B-037



ORIGINAL
Do Not Copy

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1. DO NOT SCALE DRAWING. 2. DIMENSIONS ARE IN <u>INCH</u> 3. THREAD LENGTH DIMENSIONS ARE FULL THREADS. 4. TOLERANCE ON DIMENSIONS (INCLUDING HOLES) DECIMAL .XX ± .01 .XXX ± .005 .XXXX ± .0005 FRACTIONAL ± ANGULAR ±		5. REMOVE ALL BURRS AND SHARP CORNERS .015 MAX. 6. ROUGHNESS OF SURFACE NOT TO EXCEED 63 IN 7. ALL RADIUS ARE .125 R 8.		CHK BY WK	DATE 04.06.96			TITLE SOURCE COVER SUB-ASSEMBLY	
		MATERIAL		APPD BY WK	DATE 04.06.96	SCALE 1:1			
		FINISH				SIZE B	SHEET 1 OF 1	DWG NO IM-B-037	REV -



SYM	REVISION	DATE	BY	CHK

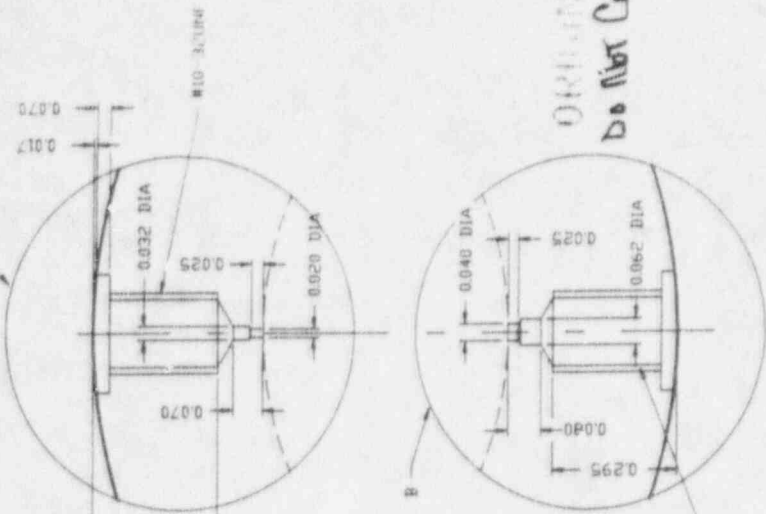
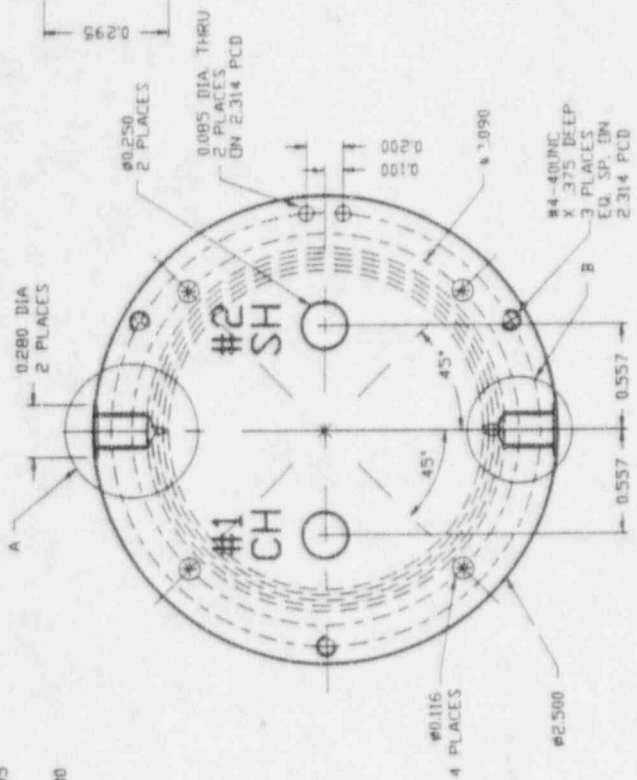
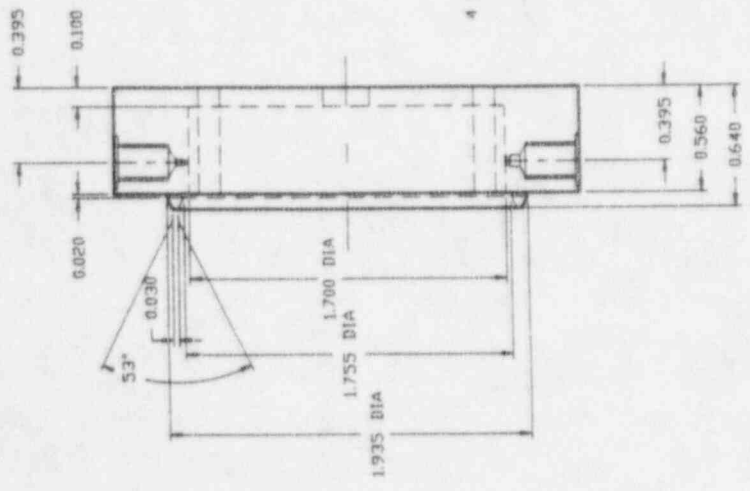
IM-B-040

ORIGINAL
Do Not Copy

<p>UNLESS OTHERWISE SPECIFIED</p> <p>1. DO NOT SCALE DRAWING.</p> <p>2. DIMENSIONS ARE IN <u>INCH</u></p> <p>3. THREAD LENGTH DIMENSIONS ARE FULL THREADS.</p> <p>4. TOLERANCE ON DIMENSIONS (INCLUDING HOLES)</p> <p>DECIMAL .XX ± .01</p> <p>.XXX ± .005</p> <p>.XXXX ± .0005</p> <p>FRACTIONAL ± .1</p> <p>ANGULAR ± .1</p>		<p>5. REMOVE ALL BURRS AND SHARP CORNERS <u>.015</u> MAX.</p> <p>6. ROUGHNESS OF SURFACE NOT TO EXCEED <u>63</u> IN</p> <p>7. ALL RADII ARE <u>.125 R</u></p> <p>8. _____</p> <p>_____</p> <p>_____</p>		<p>THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF CPAD TECHNOLOGIES INC. AND SHALL NOT BE REPRODUCED, COPIED OR USED AS THE BASIS FOR THE MANUFACTURE OR SALE OF APPARATUS WITHOUT THE WRITTEN PERMISSION OF CPAD TECHNOLOGIES INC.</p> <p>MATERIAL _____</p> <p>FINISH _____</p>		<p>DWG BY RMJ</p> <p>CHK BY WK</p> <p>APPD BY WK</p>	<p>DATE 03/11/94</p> <p>DATE 04.06.96</p> <p>DATE 04.06.96</p>	<p>CPAD TECHNOLOGIES INC.</p> <p>TITLE</p> <p>IMS ASSEMBLY</p>		<p>SCALE 1:1</p>	<p>SIZE B</p>	<p>SHEET 1 OF 1</p>	<p>DWG NO IM-B-040</p>	<p>REV -</p>
--	--	---	--	--	--	--	--	---	--	------------------	---------------	---------------------	------------------------	--------------

IM-B-002

SYM	REVISION	DATE	BY	CHK



ORIGINAL
DO NOT COPY

- UNLESS OTHERWISE SPECIFIED
- DO NOT SCALE DRAWING.
 - DIMENSIONS ARE IN INCH.
 - THREAD LENGTH DIMENSIONS ARE FULL THREADS.
 - TOLERANCE ON DIMENSIONS (INCLUDING HOLES)
XX ± .01
XXX ± .002
XXXX ± .0005
FRACTIONAL ANGULAR ± .1
 - REMOVE ALL BURRS AND SHARP CORNERS .015 MAX.
 - ROUGHNESS OF SURFACE NOT TO EXCEED 6.3 IN.
 - ALL RADII ARE .125 R
 -

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MATERIAL ALUMINUM ROD
FINISH NONE

DWG BY	DATE	CHK BY	DATE	APPD BY	DATE
FMJ	11/07/94	WKC	04/06/96	WKC	04/06/96

SCALE 1.5:1

SIZE	SHEET 1 OF 1	DWG NO	REV
B	IM-B-002	—	—

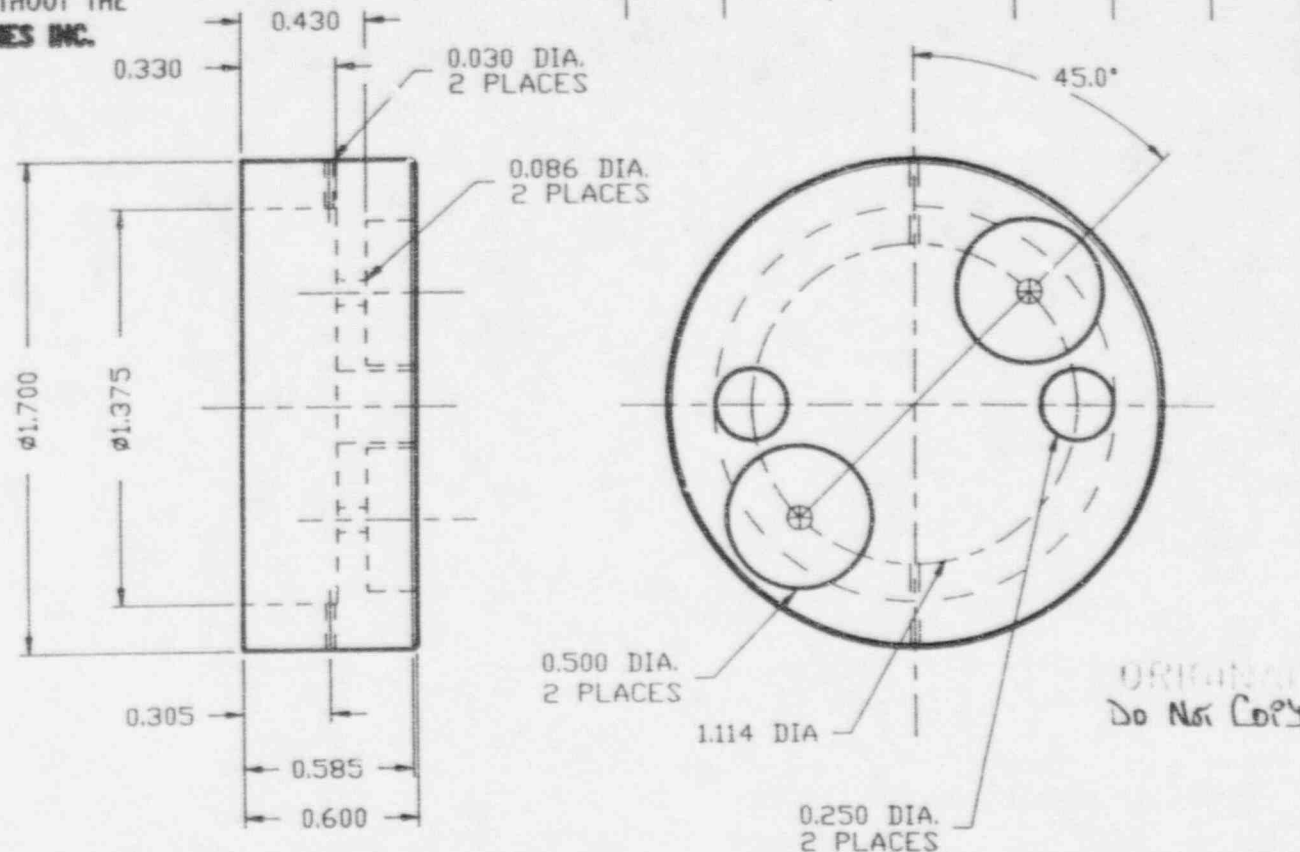
TITLE SOURCE BASE

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TECHNOLOGIES INC.

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SYM	REVISION	DATE	BY	CHK

IM-B-020



UNLESS OTHERWISE SPECIFIED

- DO NOT SCALE DRAWING.
- DIMENSIONS ARE IN INCH
- THREAD LENGTH DIMENSIONS ARE FULL THREADS.
- TOLERANCE ON DIMENSIONS (INCLUDING HOLES)
DECIMAL .XX ± .01
XXX ± .002

- FRACTIONAL ANGULAR ± .1
- REMOVE ALL BURRS AND SHARP CORNERS .015 MAX.
- ROUGHNESS OF SURFACE NOT TO EXCEED 63 IN
- ALL RADII ARE .125 R

DWG BY RMJ DATE 14/07/94

CHK BY WK DATE 04.06.96

APPD BY WK DATE 04.06.96

SCALE 1.5 : 1

CPAD
TECHNOLOGIES INC.

TITLE

TEFLON SOURCE BASE

MATERIAL TEFLON

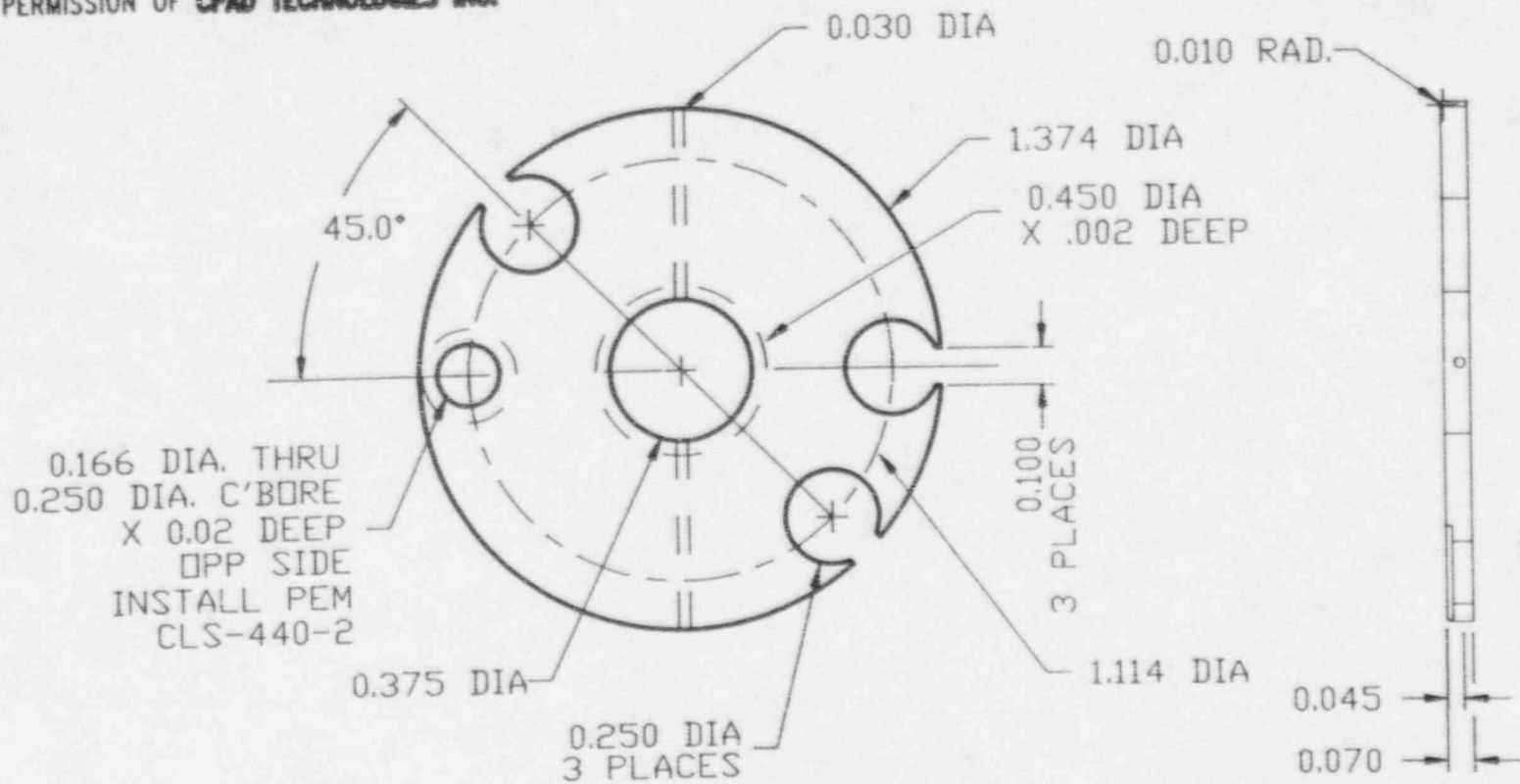
FINISH

SIZE A	SHEET 1 OF 1	DWG NO IM-B-020	REV -
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SYM	REVISION	DATE	BY	CHK

IM-B-022



ORIGINAL
Do Not Copy

UNLESS OTHERWISE SPECIFIED

- | | | |
|---|--|-----------------|
| 1. DO NOT SCALE DRAWING. | FRACTIONAL | ± <u> </u> |
| 2. DIMENSIONS ARE IN <u>INCH</u> | ANGULAR | ± <u>.1</u> |
| 3. THREAD LENGTH DIMENSIONS ARE FULL THREADS. | 5. REMOVE ALL BURRS AND SHARP CORNERS <u>.015</u> MAX. | |
| 4. TOLERANCE ON DIMENSIONS (INCLUDING HOLES) | 6. ROUGHNESS OF SURFACE NOT TO EXCEED <u>63</u> IN | |
| DECIMAL | 7. ALL RADII ARE <u>.125 R</u> | |
| <u>.XX ± .01</u> | | |
| <u>.XXX ± .002</u> | | |

DWG BY RMJ	DATE 12/07/94
CHK BY WK	DATE 04.06.96
APPD BY WK	DATE 04.06.96

CPAD
TECHNOLOGIES INC.

TITLE
SOURCE HOLDING WASHER

MATERIAL
ALUMINUM SHEET

FINISH

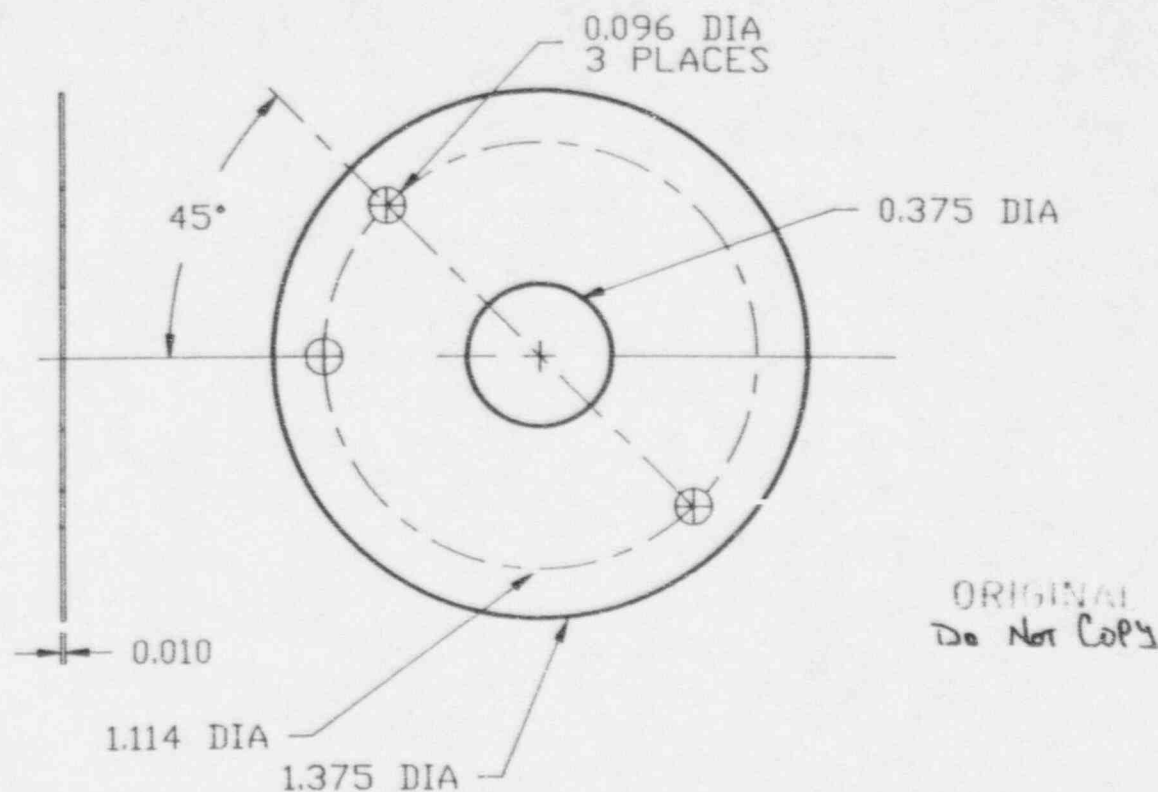
SCALE
2:1

SIZE A	SHEET 1 OF 1	DWG NO IM-B-022	REV —
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SYM	REVISION	DATE	BY	CHK

IM-B-023



UNLESS OTHERWISE SPECIFIED

- DO NOT SCALE DRAWING.
- DIMENSIONS ARE IN INCH
- THREAD LENGTH DIMENSIONS ARE FULL THREADS.
- TOLERANCE ON DIMENSIONS (INCLUDING HOLES)
DECIMAL .XX ± .01
XXX ± .002

- REMOVE ALL BURRS AND SHARP CORNERS .015 MAX.
- ROUGHNESS OF SURFACE NOT TO EXCEED 63 IN
- ALL RADII ARE .125 R

MATERIAL TEFLON

FINISH

DWG BY RMJ	DATE 13/07/94
CHK BY WK	DATE 04.06.96
APPD BY WK	DATE 04.06.96

SCALE
2:1

CPAD
TECHNOLOGIES INC.

TITLE

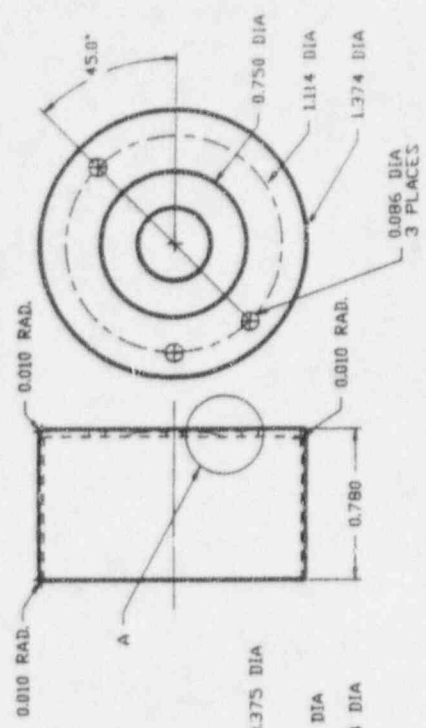
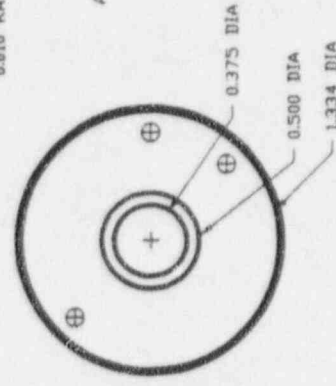
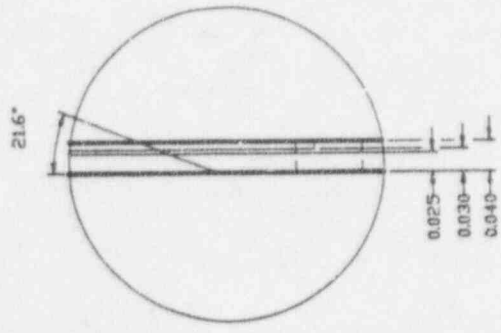
CUP
WASHER SEPERATOR

SIZE A	SHEET 1 OF 1	DWG NO IM-B-023	REV -
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SYM	REVISION	DATE	BY	CHK

IM-B-024



ORIGINAL
Do Not Copy

UNLESS OTHERWISE SPECIFIED		DATE		DWG NO		REV	
1. DO NOT SCALE DRAWING.		13/07/94		IM-B-024		-	
2. DIMENSIONS ARE IN INCH		DATE		SHEET 1 OF 1		-	
3. THREAD LENGTH DIMENSIONS ARE FULL THREADS.		04.06.96		A		-	
4. TOLERANCE ON DIMENSIONS (INCLUDING HOLES) DECIMAL .XX ± .01 XXX ± .002		DATE		TITLE		-	
		04.06.96		CUP SCREEN HOLDER		-	
MATERIAL ALUMINUM ROD		SCALE 1:1		SIZE		-	
FINISH				DWG NO		-	

CPAD
TECHNOLOGIES INC.

LA-B-007

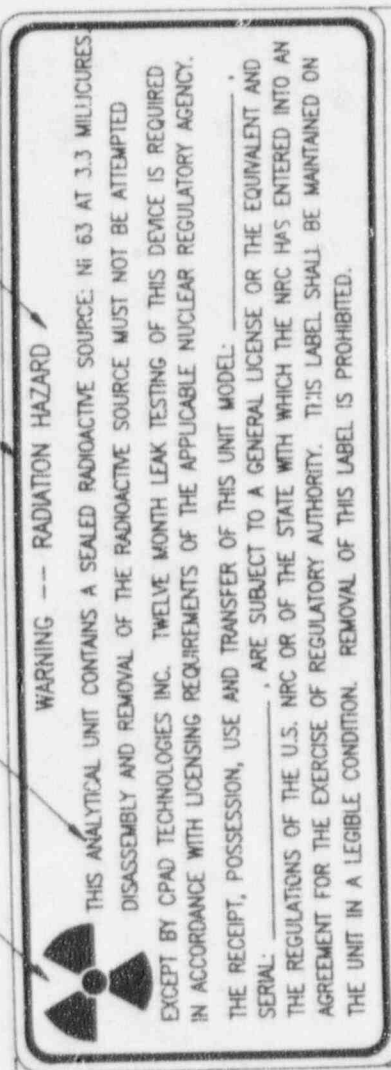
SYM	REVISION	DATE	BY	CHK

ATOMIC ENERGY STD.
RADIATION SYMBOL
C.365, SHEDULE III

FONT .08 (NEW TIMES ROMAN 8)

BORDER .035 WIDE

FONT .095 (TIMES NEW ROMAN 10)



ORIGINAL
Do Not Copy

NOTE : THE LABEL WILL BE AN ADHESIVE TYPE.
WITH THE RADIATION SYMBOL AND TEXT COLORED
MAGENTA ON A YELLOW BACKGROUND

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MANUFACTURE OR SALE OF APPARATUS WITHOUT THE
WRITTEN PERMISSION OF **CPAD TECHNOLOGIES INC.**

DWG BY NDW	DATE 30/05/96	CPAD TECHNOLOGIES INC.
CHK BY RMJ	DATE 03/06/96	
APPD BY WK	DATE 04/06/96	
SCALE 1:1		TITLE RADIATION HAZARD IMS WARNING LABEL
SIZE A		DWG NO LA-B-007
SHEET 1 OF 1		REV -

LTS WORKSHEET

DOCKET NO : 03034271 LICENSE NO : 54-23849-01E STATUS: 20
MAIL CONTROL: 021877 RECEIPT DATE : 960920 ACTION TYPE: 1
DUE DATE : 961219
FED. GOVT : C INST. CODE : 23849 LICENSE REGION: 0
ISSUE DATE: 970212 ORIGINAL DATE: 970212 EXPIRATION DATE: 20070228
NAME : CPAD TECHNOLOGIES INC. DECOM FIN ASSUR REQD: N
SUBM: -
DEPT/BUREAU: _____ CONT PLAN REQD: N APPRV: -
BUILDING : _____
STREET : 66 SLATER STREET, 6TH FLOOR
CITY : OTTAWA, ONTARIO STATE: CN ZIP: K1P 5H1
CONTACT PERSON: ~~SCOTT FEAGAN~~ Al McEachern PHONE: 613-230-0609
PRIMARY PGM CODE : ⁰³²⁵⁵~~03252~~ SECONDARY PGM CODES: _____
INSPECTION REGION: 1 PRIORITY CODE: 5 INSPECTION CATEGORY: E2
RADIATION SAFETY OFFICER: _____
STATES WHERE USE IS AUTHORIZED: 0
0 - ALL LISTED STATES
1 - SAME AS STATE IN ADDRESS
2 - ALL STATES
3 - NON-AGREEMENT STATES
AUTHORIZED STATES: NY (USE ONLY IF ABOVE IS ZERO)
REPORTING IDENTIFICATION SYMBOL: _____
APPROVAL FOR: REDISTRIBUTION: N STORAGE ONLY: N
TEMPORARY JOB SITES: N INCINERATION: N
BURIAL: N
EXEMPTIONS: (1) _____ (2) _____

PAGE: 2

MATERIAL TYPE	:		FORM CODE:	NPA	AGGREGATE CODE:	NPA
MODEL NUMBER	:					
DESCRIPTION	:					
TOTAL QUANTITY	:		UNIT:			
OTHER	:	-	# SOURCES:			
MATERIAL TYPE	:		FORM CODE:		AGGREGATE CODE:	
MODEL NUMBER	:					
DESCRIPTION	:					
TOTAL QUANTITY	:		UNIT:			
OTHER	:	-	# SOURCES:			
MATERIAL TYPE	:		FORM CODE:		AGGREGATE CODE:	
MODEL NUMBER	:					
DESCRIPTION	:					
TOTAL QUANTITY	:		UNIT:			
OTHER	:	-	# SOURCES:			
MATERIAL TYPE	:		FORM CODE:		AGGREGATE CODE:	
MODEL NUMBER	:					
DESCRIPTION	:					
TOTAL QUANTITY	:		UNIT:			
OTHER	:	-	# SOURCES:			
MATERIAL TYPE	:		FORM CODE:		AGGREGATE CODE:	
MODEL NUMBER	:					
DESCRIPTION	:					
TOTAL QUANTITY	:		UNIT:			
OTHER	:	-	# SOURCES:			
MATERIAL TYPE	:		FORM CODE:		AGGREGATE CODE:	
MODEL NUMBER	:					
DESCRIPTION	:					
TOTAL QUANTITY	:		UNIT:			
OTHER	:	-	# SOURCES:			
MATERIAL TYPE	:		FORM CODE:		AGGREGATE CODE:	
MODEL NUMBER	:					
DESCRIPTION	:					
TOTAL QUANTITY	:		UNIT:			
OTHER	:	-	# SOURCES:			

NAME

AUTHORIZATION

ADDRESS WHERE MATERIAL IS USED OR POSSESSED

BUILDING:

ROOM:

STREET:

CITY:

STATE:

BUILDING:

ROOM:

STREET:

CITY:

STATE:

BUILDING:

ROOM:

STREET:

CITY:

STATE:

BUILDING:

ROOM:

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ROOM:

STREET:

CITY:

STATE:

BUILDING:

ROOM:

STREET:

CITY:

STATE:

BUILDING:

ROOM:

STREET:

CITY:

STATE:

#1

6401 Kirkville Rd
East Springfield, NY

DOCKET: 03034271 LIC: NAME: CPAD TECHNOLOGIES INC.

PARTY ISSUING MECHANISM: ASSUR TYPE : _ (C=CERT D=DFP)
NAME : MECH TYPE : _
ADDR1: MECH AMOUNT: _
ADDR2: APPROVED? DATE: _
CITY : EXPIRES ? DATE: _
STATE: ZIP: _

PARTY ISSUING MECHANISM: ASSUR TYPE : _ (C=CERT D=DFP)
NAME : MECH TYPE : _
ADDR1: MECH AMOUNT: _
ADDR2: APPROVED? DATE: _
CITY : EXPIRES ? DATE: _
STATE: ZIP: _

PARTY ISSUING MECHANISM: ASSUR TYPE : _ (C=CERT D=DFP)
NAME : MECH TYPE : _
ADDR1: MECH AMOUNT: _
ADDR2: APPROVED? DATE: _
CITY : EXPIRES ? DATE: _
STATE: ZIP: _

PARTY ISSUING MECHANISM: ASSUR TYPE : _ (C=CERT D=DFP)
NAME : MECH TYPE : _
ADDR1: MECH AMOUNT: _
ADDR2: APPROVED? DATE: _
CITY : EXPIRES ? DATE: _
STATE: ZIP: _

PARTY ISSUING MECHANISM: ASSUR TYPE : _ (C=CERT D=DFP)
NAME : MECH TYPE : _
ADDR1: MECH AMOUNT: _
ADDR2: APPROVED? DATE: _
CITY : EXPIRES ? DATE: _
STATE: ZIP: _

PARTY ISSUING MECHANISM: ASSUR TYPE : _ (C=CERT D=DFP)
NAME : MECH TYPE : _
ADDR1: MECH AMOUNT: _
ADDR2: APPROVED? DATE: _
CITY : EXPIRES ? DATE: _
STATE: ZIP: _

PARTY ISSUING MECHANISM: ASSUR TYPE : _ (C=CERT D=DFP)
NAME : MECH TYPE : _
ADDR1: MECH AMOUNT: _
ADDR2: APPROVED? DATE: _
CITY : EXPIRES ? DATE: _
STATE: ZIP: _

LICENSE DATA, CONTINUED

PAGE: 5

=====

DOCKET NO: 03034271 LICENSE NUMBER: _____

NAME : CPAD TECHNOLOGIES INC.

=====

MEDICAL QUALITY MANAGEMENT PROGRAM REQUIRED: N RECEIVED: _ APPROVED: _

DECOMMISSIONING FINANCIAL ASSURANCE REQUIRED: _ SUBMITTED: _

CONTINGENCY PLAN REQUIRED: _ APPROVED: _

=====

DECAY-IN-STORAGE APPROVED: N HOLDING FOR < 10 HALF-LIVES APPROVED: _

T 1/2 > 65 DAYS, ISOTOPE(S): _____

INTERIM STORAGE UP TO 1996: N

=====

BETWEEN:

License Fee Management Branch, ARM
and
Regional Licensing Sections

(FOR LFMS USE)
INFORMATION FROM LTS

Program Code: 03251
Status Code: 3
Fee Category: _____
Exp. Date: 0
Fee Comments: _____
Decom Fin Assur Req'd: _____

LICENSE FEE TRANSMITTAL

A. REGION 0

1. APPLICATION ATTACHED

Applicant/Licensee: CPAD TECHNOLOGIES INC.
Received Date: 960920
Docket No: 3034271
Control No.: 021877
License No.:
Action Type: New License

2. FEE ATTACHED

Amount: _____
Check No.: /

3. COMMENTS

*device review
under me 123410*

Signed
Date

CBongle
11/5/96

B. LICENSE FEE MANAGEMENT BRANCH (Check when milestone 03 is entered 1/1)

1. Fee Category and Amount: 3H \$2,400

2. Correct Fee Paid. Application may be processed for:

Amendment _____
Renewal _____
License /

3. OTHER _____

*123410 was
VOIDED but device
review being done. M*

Signed
Date

M
12/30/96

Log Dec 1
Remitter 2H
Check No. The applicant for
Amount ck 8179 without fees used
Fee Category for \$3400 S&D fee and
Type of fee VOIDED control 123411 App
Date Check Rec'd. and 123410
Date Completed 12/30/96
By: M

See also July 96 S&D

\$2400
3H