



STATE OF MICHIGAN
BOARD OF COUNTY ROAD COMMISSIONERS
OAKLAND COUNTY



BOARD OF ROAD COMMISSIONERS
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August 13, 1984

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MANAGING DIRECTOR
WILLIAM J. FOGNINI
DEPUTY MANAGING DIRECTOR
L. W. McENTEE
GENERAL COUNSEL

*Copy of
Amendment
To be Deleted*

Nuclear Regulatory Commission
Region III
799 Roosevelt Road
Glen Ellyn, Illinois 60137

Attn: Regional Licensing Section
License Management Branch
Div. of Fuel Cycle and Material Safety

Dear Sir:

Enclosed is an application for Amendment to N. R. C. License
Number 21-15646-01, Docket No. BO-09514 or Control No. B729 to pur-
chase a gauge from Campbell Pacific Nuclear Corp.

Very truly yours,

Jack A. Franklin
Soils Supervisor

Jack A. Franklin

JAF/ml

Enclosure

8503210192 850213
REG3 LIC30
21-15646-01 PDR

NRC Form 313 I (12-81) 10 CFR 30		U.S. NUCLEAR REGULATORY COMMISSION		1. APPLICATION FOR: <i>(Check and/or complete as appropriate)</i>	
APPLICATION FOR BYPRODUCT MATERIAL LICENSE INDUSTRIAL				<input type="checkbox"/> a. NEW LICENSE	
<i>See attached instructions for details.</i> Completed applications are filed in duplicate with the Division of Fuel Cycle and Material Safety, Office of Nuclear Material Safety, and Safeguards, U.S. Nuclear Regulatory Commission, Washington, DC 20555 or applications may be filed in person at the Commission's office at 1717 H Street, NW, Washington, D. C. or 7915 Eastern Avenue, Silver Spring, Maryland.				<input checked="" type="checkbox"/> b. AMENDMENT TO: LICENSE NUMBER 21-15646-01	
				<input type="checkbox"/> c. RENEWAL OF: LICENSE NUMBER	
2. APPLICANT'S NAME <i>(Institution, firm, person, etc.)</i> Oakland County Road Commission TELEPHONE NUMBER: AREA CODE - NUMBER EXTENSION (313) 858-4865			3. NAME AND TITLE OF PERSON TO BE CONTACTED REGARDING THIS APPLICATION Jack A. Franklin, Soils Supervisor TELEPHONE NUMBER: AREA CODE - NUMBER EXTENSION (313) 858-4864		
4. APPLICANT'S MAILING ADDRESS <i>(Include Zip Code)</i> <i>(Address to which NRC correspondence, notices, bulletins, etc., should be sent.)</i> 2420 Pontiac Lake Road Pontiac, Michigan 48054			5. STREET ADDRESS WHERE LICENSED MATERIAL WILL BE USED <i>(Include Zip Code)</i> Temporary Job Sites throughout the State of Michigan		
(IF MORE SPACE IS NEEDED FOR ANY ITEM, USE ADDITIONAL PROPERLY KEYED PAGES.)					
6. INDIVIDUAL(S) WHO WILL USE OR DIRECTLY SUPERVISE THE USE OF LICENSED MATERIAL <i>(See Items 16 and 17 for required training and experience of each individual named below)</i>					
FULL NAME			TITLE		
a. Jack A. Franklin			Soils Supervisor		
b. Karl Burow			Material Tech		
c. Charles Runyon			Soils Tech		
7. RADIATION PROTECTION OFFICER Jack A. Franklin Charles Runyon			Attach a resume of person's training and experience as outlined in Items 16 and 17 and describe his responsibilities under Item 15. Std. Troxler 2 Day Training Course		
B. LICENSED MATERIAL					
L I N E NO.	ELEMENT AND MASS NUMBER A	CHEMICAL AND/OR PHYSICAL FORM B	NAME OF MANUFACTURER AND MODEL NUMBER <i>(If Sealed Source)</i> C	MAXIMUM NUMBER OF MILLICURIES AND/OR SEALED SOURCES AND MAXIMUM ACTI- VITY PER SOURCE WHICH WILL BE POSSESSED AT ANY ONE TIME D	
(1)	B-Cesium - 137	CPN SEALED	Campbell Pacific Port-a-Probe	No single source to exceed 10 millicuries	
(2)	C-Americium-241	Source 131	Model MC-2	No single source to exceed 50 millicuries	
(3)				in each source pair,	
(4)				one source pair per machine.	
DESCRIBE USE OF LICENSED MATERIAL E					
(1)	Authorized use: For use in Campbell-Pacific Model MC-2 surface moisture				
(2)	density gauges to measure properties of construction materials. This license				
(3)	is to cover Campbell Pacific Nuclear 500 Series Gauges also.				
(4)					

INFORMATION REQUIRED FOR ITEMS 15, 16 AND 17

Describe in detail the information required for Items 15, 16 and 17. Begin each item on a separate page and key to the application as follows:

15. **RADIATION PROTECTION PROGRAM.** Describe the radiation protection program as appropriate for the material to be used including the duties and responsibilities of the Radiation Protection Officer, control measures, bioassay procedures *(if needed)*, day-to-day general safety instruction to be followed, etc. If the application is for sealed source's also submit leak testing procedures, or if leak testing will be performed using a leak test kit, specify manufacturer and model number of the leak test kit.

16. **FORMAL TRAINING IN RADIATION SAFETY.** Attach a resume for each individual named in Items 6 and 7. Describe individual's formal training in the following areas where applicable. Include the name of person or institution providing the training, duration of training, when training was received, etc.
 - a. Principles and practices of radiation protection.
 - b. Radioactivity measurement standardization and monitoring techniques and instruments.
 - c. Mathematics and calculations basic to the use and measurement of radioactivity.
 - d. Biological effects of radiation.

17. **EXPERIENCE.** Attach a resume for each individual named in Items 6 and 7. Describe individual's work experience with radiation, including where experience was obtained. Work experience or on-the-job training should be commensurate with the proposed use. Include list of radioisotopes and maximum activity of each used.

18. CERTIFICATE

(This item must be completed by applicant)

The applicant and any official executing this certificate on behalf of the applicant named in Item 2, certify that this application is prepared in conformity with Title 10, Code of Federal Regulations, Part 30, and that all information contained herein, including any supplements attached hereto, is true and correct to the best of our knowledge and belief.

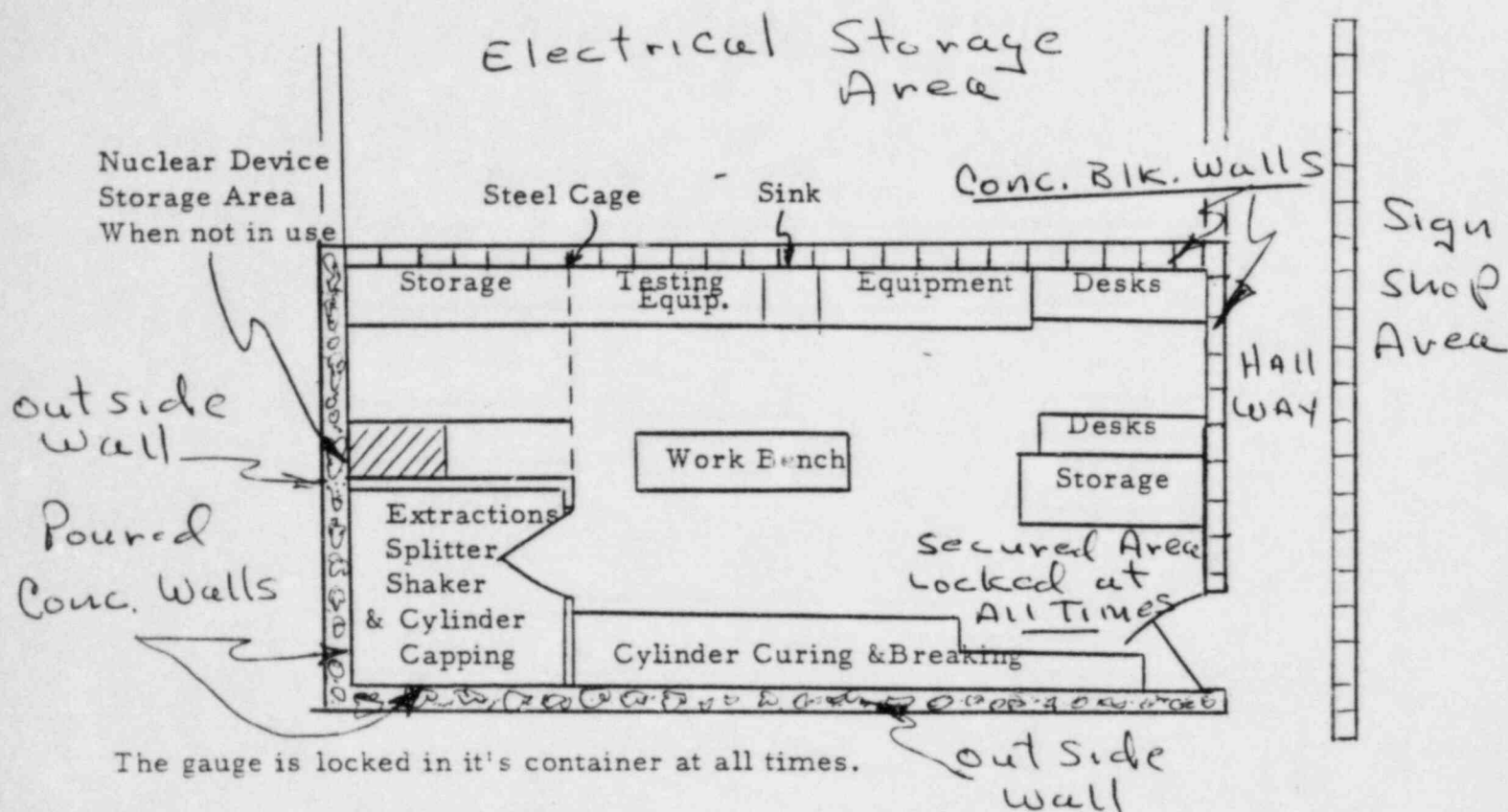
WARNING.—18 U.S.C., Section 1001; Act of June 25, 1948; 62 Stat. 749; makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

a. LICENSE FEE REQUIRED <i>(See Section 170.31, 10 CFR 170)</i>	b. CERTIFYING OFFICIAL <i>(Signature)</i>
	c. NAME <i>(Type or print)</i>
(1) LICENSE FEE CATEGORY:	d. TITLE
(2) LICENSE FEE ENCLOSED: \$	e. DATE

1

SOILS & MATERIALS LABORATORY

AMENDMENT TO PREVIOUS STORAGE AREA



The gauge is locked in it's container at all times.

Excess door is locked at all times.

ONLY AUTHORIZED SOILS AND MATERIAL PERSONNEL
ARE PERMITTED IN THE LABORATORY!

OAKLAND COUNTY ROAD COMMISSION
2420 PONTIAC LAKE RD.
PONTIAC, MICHIGAN 48054
ENGINEERING LABORATORY

OAKLAND COUNTY ROAD COMMISSION

CONVERSATION RECORD

TIME

DATE

TYPE

☐ VISIT

☐ CONFERENCE

☐ TELEPHONE

☐ INCOMING

☐ OUTGOING

ROUTING

NAME/SYMBOL

INT

Location of Visit/Conference:

NAME OF PERSON(S) CONTACTED OR IN CONTACT WITH

ORGANIZATION (Office, dept., bureau)

TELEPHONE NO.

SUBJECT

MATERIALS Supervisor

SUMMARY

~~Don't~~ Will crown. -

① NEED FILM BADGES. neutron capabilities. -

② MAINTENANCE & REPAIR. ↔ LICENSE CONDITION TO MANUFACTURER ^{REPAIR.}

③ EXPAND EMERGENCY PROCEDURES - & UPDATE. ^{Gerold} ^{Director of engineering.}

④ IS MODEL KK-1 SAME AS (3880) LEAK TEST KIT. -

⑤ SKETCH OF AREAS ADJACENT TO STORAGE AREA. ✓

⑥ DO YOU STILL WANT ^{Model} 2401. SENT BACK TO COMPANY TRADED FN.

⑦ Need signed copy of amendment request. ^{cancel} ^{Delete}

⑧ Additional training for using new depth gauge. -

ACTION REQUIRED

- IN CASE & ATTEMPT TO DIG UP. ^{MAKING}
NOT EXCEEDING 10 FEET.

NAME OF PERSON DOCUMENTING CONVERSATION

SIGNATURE

DATE

ACTION TAKEN

3241

asphalt content.

SIGNATURE

TITLE

DATE

9-2 RSO'S ??

FRANKLIN

Chief R.S.O.

Chief R.S.O.

Almsee will answer in
letter will also add asphalt gauge.

Lease

10. Users for moisture gauge 3411B

Troxler

AND

JACK A. FRANKLIN

Campbell Pacific MC-2
MOISTURE GAUGE

KARL BURROW

CHARLES RUNYON

Users for 3241 Asphalt paving
gauge → JACK FRANKLIN
DENN VOLIMEN
KENNETH BAILEY