



Great Northern Paper
a company of
Great Northern Nekoosa Corporation

June 27, 1985

U.S. Nuclear Regulatory Commission
Region I Materials Licensing
631 Park Avenue
King of Prussia, PA 19406

Gentlemen:

Please amend our U.S.N.R.C. material license #18-02326-03, as renewed in December of 1984 to add:

One (1) ModelNER 586, Serial #KR-1555, source housing containing 1000 MCI of KR-85 used in a Measurex Model 2201 basis weight sensor. The gauge is installed on our #3 Paper Machine at East Millinocket, and is used to measure the basis weight (density) of Newsprint.

And to Delete:

One (1) Model #5176, Serial #913 Texas Nuclear (formerly Nuclear Chicago) source holder containing 1000 MCI of CS-137, source serial #M-88. This source is listed as item "M" under section 6 on amendment 31 of license 18-02326-03.

Attachments to the above requests are as follows:

- (A) Plan and elevation drawings showing the installation of the beta sensor on the Measurex Traversing Sensor package.
- (B) A receipt from Texas Nuclear with regards to the CS-137 removed.
- (C) Texas Nuclear service report with regard to the CS-137 source removed. Note that other work was also performed at this time.
- (D) A list of radio active sources on hand at this time.
- (E) Fee of \$60.00, Check #030554 (original only).

All other conditions of our license, as amended, are to remain the same.

July 10 - 11

Applicant.....	
Check No. 030554	
Amount/Fee Category 3P \$60	
Type of Fee Amend	
Date Check Rec'd 7/15/85	
Received By Jacques	

cc: D. E. MacArthur
T. L. Griffin
J. M. Martin
U.S.N.R.C.

Sincerely,

Edmund L. Bigney

"OFFICIAL RECORD COPY"

04067

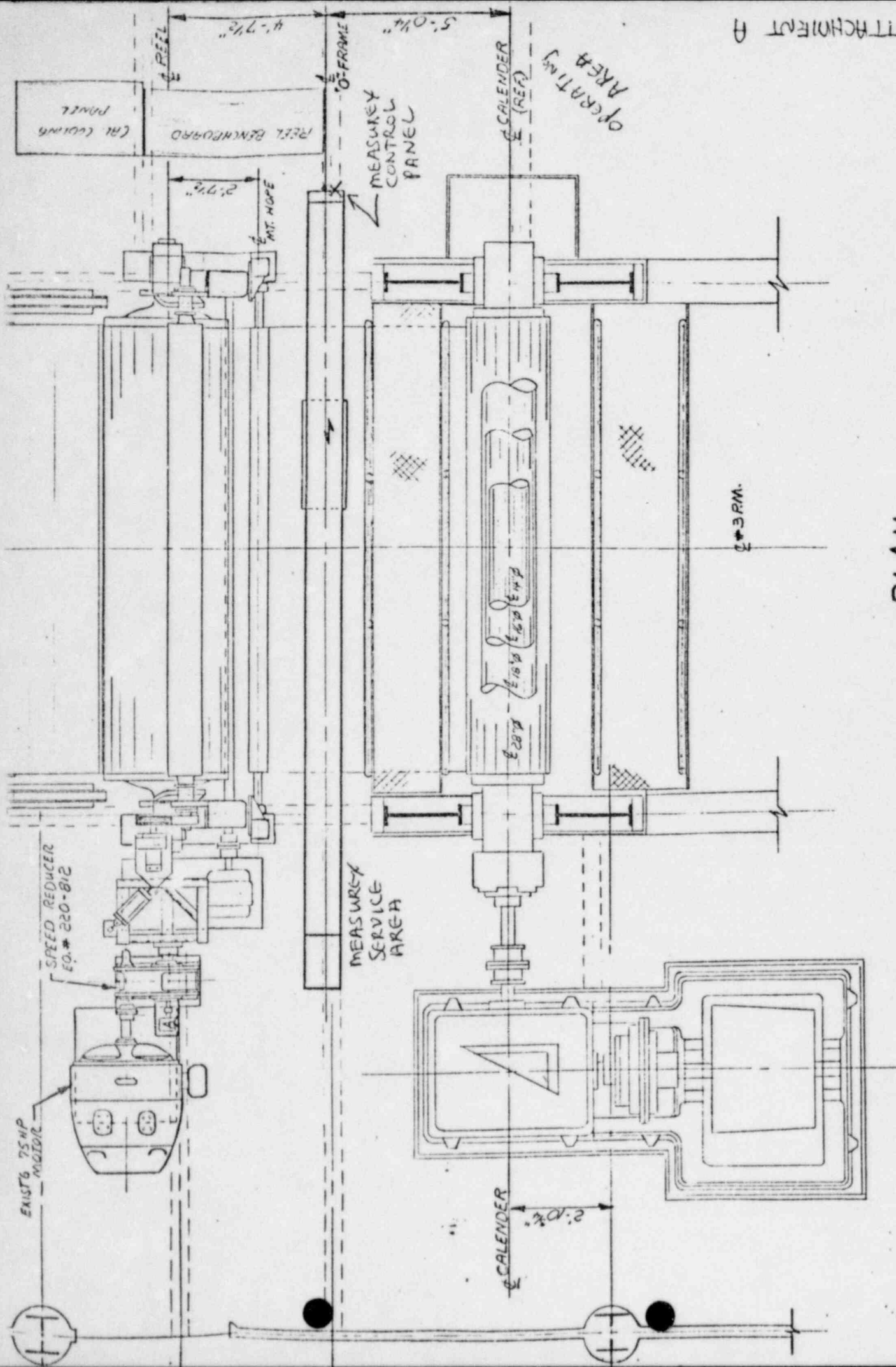
8512030282 850911
REG1 LIC30
18-02326-03 PDR

inocket, Maine 04462. (207) 723-5131

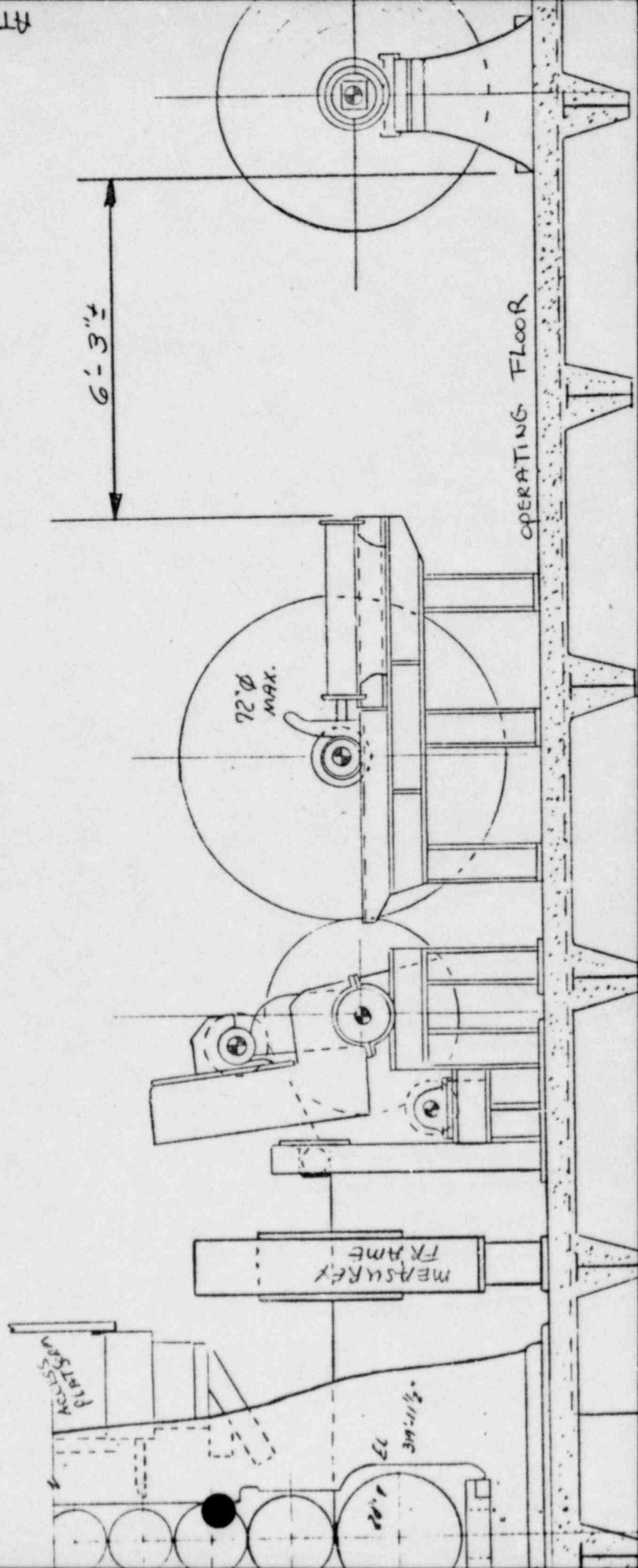
ML10

JUL 08 1985

PLAN
NO. 3 PM MEASUREX



ELEVATION SHOWING MEASUREY
 "O-FRAME" ON NO. 3 PM AT EAST
 MILLINOCKET



ATTACHMENT A



TEXAS
NUCLEAR
A SUBSIDIARY OF HAMSEY
ENGINEERING

November 30, 1984

Great Northern Paper
1 Katahdin Avenue
Millinocket, Maine 04462

Attention: E. Bigney

This letter is to verify that Texas Nuclear has received and disposed of the radioactive material described pursuant to applicable regulations as authorized by our Texas License 6-3524.

One (1)1000 Millicurie Cs-137 Source, Source Serial
Number M-88, removed from a Texas Nuclear Model 5176
source holder, Serial Number 913.

This letter should be retained in your files as a permanent record showing the disposition of this device.

If we can be of any further assistance, please do not hesitate to let us know.

Sincerely,

TEXAS NUCLEAR CORPORATION

Martha E. Raico
Technical Services

MER/tc

ATTACHMENT B

Texas Nuclear

A Division of Ramsey Engineering Company

Box 9267

Austin, Texas 78766 USA

Telephone (512) 836-0801

Telex 77-6413

PO # 15707

SERVICE REPORT

BILL TO: Great Northern Paper		SERVICE ADDRESS: Great Northern Paper Millinocket Me.	
NAME OF CONTACT: Gill Halant / Ed Bigney	PHONE: 207/223-5131	PURCHASE ORDER DATE:	PURCHASE ORDER NO:
SERVICE REP: Douglas Caldwell	DATE OF SERVICE: 10/15/84 - 10/18/84		
TYPE OF EQUIPMENT: SGH 2ea / 1 Source disposal			

Leak Test and Surveyed Source head
Model # 5126 Serial # 2010, 2011, 250 mci
Also Leak Tested Source head Model # 5126
Serial # 913, 1000 mci -
Tests were Satisfactory and Certificates
were Given to Ed. Bigney.
Calibrated 2 density Gauges on Process
40-60% Solids 1.33-1.59 Gm/cc
7.75% Span. ID P.P. 2.274 in
DD min 1000 57.8 mm
DD max 923

S/N 913 Being Returned To T.N. For disposal.
P.O. # For disposal: 18786

DAY & DATE		TRAVEL		REMARKS	ON-SITE		TOTAL	
		REG	OT		REG	OT	REG	OT
SUN								
MON	10/15	11		Travel From Austin To Millinocket.				
TUE	10/16			onsite G.N.P.	8			
WED	10/17			onsite G.N.P.	8			
THU	10/18	10		est Return To Austin.				
FRI								
SAT								

ED Bigney
CUSTOMER'S REPRESENTATIVE

10/17/84
DATE

ATTACHMENT C

September 26, 1980
 November 27, 1981
 March 19, 1982
 September 14, 1982
 January 10, 1983
 May 13, 1985

RADIOACTIVE SOURCES ON HAND

<u>LOCATION</u>	<u>ISOTOPES</u>	<u>ACTIVITY</u>	<u>MANUFACTURE</u>	<u>MODEL</u>	<u>SOURCE SN</u>
#7 P.M.	KR 85	500 MC	Industrial Nucleonics	0-3	K4284X
#8 P.M.	KR 85	500 MC	Industrial Nucleonics	0-3	K4233X
#2 P.M.	KR 85	500 MC	Accuray	07-S-11	K1292E
Coater Base Stock	KR 85	500 MC	Industrial Nucleonics	03-S-11	K4270X
Coater 1st Coat	KR 85	500 MC	Industrial Nucleonics	03-S-11	K4269X
Coater 2nd Coat	KR 85	500 MC	Industrial Nucleonics	03-S-11	K4268X
#9 P.M. R/S	KR 85	500 MC	Sentrol (N.E.N.)	NER-585	
#9 P.M. Reel	KR 85	500 MC	Sentrol (N.E.N.)	NER-585	
#11 P.M.	KR 85	1100 MC	Electronics Automation Sys.	40057B	KD-013
#10 P.M. FR 1	KR 85	.67C1	Measurex	2201	KR276X
#10 P.M. FR 2	KR 85	.68C1	Measurex	2201	KR220X
#1 P.M. BW & M Gauge	KR 85	.55C1	Measurex	2201	KR591
Clarifier M1	Radium 226	1.5 Mg	Instruments Incorporated	License not required	
Instrument Shop	Radium 226	1.5 Mg	Instruments Incorporated	License not required	
Paper Res. Office	Hydrogen	1000 MC	US Radium Corporation		35217
Paper Lab M-1	KR 85	20 MC	Boyle	KAC-2	TC-04564
Paper Lab (E&R)	KR 85	30 MC	Electronics Automation Sys.	323A	K59694
Pilot Plant	KR 85	1200 MC	Ohmart Corporation	LBC-1 50443	012

<u>LOCATION</u>	<u>ISOTOPES</u>	<u>ACTIVITY</u>	<u>MANUFACTURE</u>	<u>MODEL</u>	<u>SOURCE SN</u>
Coater Color #2 Side	CS 137	20 MC	Industrial Nucleonics	SH301,S-6	CS7099
Chip Silo	CS 137	100 MC	Ohmart Corporation	SHRM-6- A5771	1267
Whse. #6	CS 137	250 MC	Kay-Ray	7050B	1885
#9 P.M.	CS 137	250 MC	Nuclear Chicago	5176	2010
Whse. #6	CS 137	250 MC	Kay-Ray	7050	1884
#9 P.M.	CS 137	250 MC	Nuclear Chicago	5176	2011
Whse. #6	CS 137	250 MC	Kay-Ray	7050	1886
Steam Plant	CS 137	100 MC	Ohmart Corporation	FD-6	8030157
Steam Plant	CS 137	100 MC	Kay-Ray	7062P	10064
#10 P.M. Topside	CS 137	200 MC	Kay-Ray	7050B	9029
#10 P.M. Wire Side	CS 137	200 MC	Kay-Ray	7050B	9080
MgO Plant	CS 137	100 MC	Kay-Ray	7062P	11422
MgO Plant	CS 137	100 MC	Kay-Ray	7062P	11423
MgO Plant	CS 137	100 MC	Kay-Ray	7062P	10518
Inside Coater Stg. Tk.	CS 137	200 MC	Kay-Ray	7050B	6606
Right Outside Coater Storage Tank	CS 137	200 MC	Kay-Ray	7050B	6605
Left Outside Coater Storage Tank	CS 137	200 MC	Kay-Ray	7050B	8352
Digester-Pilot Plant	CS 137	25 MC	Nuclear Research	S-6	
Reactor-Pilot Plant	CS 137	25 MC	Nuclear Research	S-6	
MGO Blend Tank	CS-137	100 MC	Kay Ray	7062BP	15493
MGO Blend Tank	CS-137	100 MC	Kay Ray	7062BP	15494

<u>LOCATION</u>	<u>ISOTOPES</u>	<u>ACTIVITY</u>	<u>MANUFACTURE</u>	<u>MODEL</u>	<u>SOURCE SN</u>
Paper Lab M-2	KR 85	500 MC	Sentrol	-----	309
Steam Plant Mill 2	CS-137	100MC	Kay-Ray	7080	18226A
Steam Plant Mill 2	CS-137	100 MC	Kay-Ray	7080	18226B
Steam Plant Mill 2	CS-137	100 MC	Kay-Ray	7080	18226C
Steam Plant Mill 2	CS-137	100 MC	Kay-Ray	7080	18226D
Steam Plant Mill 2	CS-137	50 MC	Kay-Ray	7063S	18227
Clarifier M2	Radium 226	1.5 Mg	Instruments Incorporated	License Not Required	
Steam Plant Mill #2	CS 137	200 MC	Texas Nuclear	5036	570-57157
Steam Plant Mill #2	CS 137	200 MC	Texas Nuclear	5038	570-57157
#3 P.M. M-2	KR-85	1000MC	Measurex	NER-586	KR1555
#5 P.M. M-2	KR 85	580 MC	Measurex	NER-586	KR767X
#6 P.M. M-2	KR 85	580 MC	Measurex	NER-586	KR768X

BETWEEN: William O. Miller, Chief
License Fee Management Branch
Office of Administration

John E. Glenn, Chief
Nuclear Materials Section B
Division of Engineering and
Technical Programs

LICENSE FEE TRANSMITTAL

A. REGION I

1. APPLICATION ATTACHED

Applicant/Licensee: Great Northern Paper Company

Application Dated: 6/27/85

Control No.: 04067

License No.: 18-02326-03

2. FEE ATTACHED

Amount: \$ 60.00

Check No.: 030554

3. COMMENTS

Signed Brenda Platchek

Date 7/9/85

03/20

B. LICENSE FEE MANAGEMENT BRANCH

1. Fee Category and Amount: 3P - \$60

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

Amendment ✓

Renewal _____

License _____

Signed H Jackson

Date 7/12/85

12/89

"SECTION COPY"



Great Northern Paper

a company of
Great Northern Nekoosa Corporation

53-137
118

No. 030554

99995

• MILLINOCKET, MAINE 04462

PAY TO THE ORDER OF

MO. DAY YR.

05/01/85

AMOUNT OF CHECK

PAY \$ *****60.00

US NUCLEAR REGULATORY
COMMISSION
631 PARK AVE
KING OF PRUSSIA PA 19406

GREAT NORTHERN PAPER



OLD COLONY BANK
OF HAMPDEN COUNTY N.A.
AN AFFILIATE OF THE FIRST NATIONAL BANK OF BOSTON

P. Connolly
AUTHORIZED SIGNATURE

⑈030554⑈ ⑆011801379⑆ 400 358 6⑈