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Y DEPARTMENT OR AGENCY OF THE UNITED STATES AS TO ANY MATTER WITHIN ITS JURISDICTION

FOR NRC USE ONLY D.M. Heim, LA/DNMS

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REGION II Calendar Year 1999

TRANSMITTAL FOR NRC FORM 241 & REVISION SUBMITTALS

[xx] INITIAL 241 PACKAGE	LRN 00079/
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[] CLARIFICATION	LRN
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LICENSE STATE : NUMB	ER: 201-593-05
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CHECK AMOUNT: \$ 1100.00	
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PAY TO THE Pulled Regulatory Commission \$ 1/00.00 The thousand the hundred M Six Dollars & Dollars & Briefler or No. SYB STOCK YARDS BANK A905 APP Louisville, Kentucky AM SON APP Louisville, Ken	METALLURGICAL SERVICES CO	OF KY INC	02-98	4201
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PAGE 1

1. LICENSEE AND 2. ADDRESS

METALLURGICAL SERVICES COMPANY OF KY INC PO BOX 35098 LOUISVILLE, KY 40232

...

ATTENTION: DAVID C. BROWN 502-968-5000

PURSUANT TO KRS 211.842 ET SEQ., THE KENTUCKY CABINET FOR HUMAN RESOURCES REGULATIONS, 902 KAR 100, AND IN RELIANCE ON STATEMENTS AND REPRESENTATIONS HERETOFORE MADE BY THE LICENSEE, A LICENSE IS HEREBY ISSUED TO RECEIVE, ACQUIRE, OWN, POSSESS AND TRANSFER RADIOACTIVE MATERIAL LISTED BELOW; AND TO USE SUCH RADIOACTIVE MATERIAL FOR THE PURPOSE(S) AND AT THE PLACE(S) DESIGNATED BELOW. THIS LICENSE IS SUBJECT TO ALL APPLICABLE RULES, REGULATIONS, AND ORDERS OF THE CABINET FOR HUMAN RESOURCES, NOW OR HEREINAFTER IN EFFECT AND TO ANY CONDITIONS SPECIFIED BELOW.

3. LICENSE NUMBER: 201-593-05 AMENDMENT NO.

EXPIRATION DATE: NOVEMBER 30, 1999

5. REVIEWER: 25

6. LICENSED MATERIAL 7. FORM 8. POSSESSION LIMIT

A. IRIDIUM 192 A. SEALED SOURCE A. NO SINGLE SOURCE TO (AMERSHAM MODEL EXCEED 100 CURIES A-424-9)

B. SEALED SOURCE B. NO SINGLE SOURCE TO B. COBALT 60 (AMERSHAM MODEL EXCEED 100 CURIES A-424-14)

CABINET FOR HEALTH SERVICES COMMONWEALTH OF KENTUCKY RADIOACTIVE MATERIAL LICENSE

LICENSE NUMBER: 201-593-05 AMENDMENT 3 PAGE 2

C. CESIUM 137 C. SEALED SOURCE C. NO SINGLE SOURCE TO

(AMERSHAM MODEL EXCEED 150 MILLI-773-03) CURIES

9. AUTHORIZED USE

- A. TO BE USED IN AMERSHAM MODEL 660B EXPOSURE DEVICES FOR STORAGE AND INDUSTRIAL RADIOGRAPHY AND AMERSHAM MODEL 650L, 820, AND/OR 855 SOURCE CHANGERS FOR STORAGE AND SOURCE EXCHANGE.
- TO BE USED IN AMERSHAM MODEL 680B EXPOSURE DEVICES FOR STORAGE AND INDUSTRIAL RADIOGRAPHY AND AMERSHAM MODEL 771 SOURCE CHANGERS FOR STORAGE AND SOURCE EXCHANGE.
- C. TO BE USED IN AMERSHAM MODEL 773 CALIBRATION DEVICE FOR CALIBRATION OF SURVEY METERS, ALARMING RATE METERS, AND POCKET DOSIMETERS.

CONDITIONS:

THE LICENSEE SHALL COMPLY WITH THE PROVISIONS OF THE KENTUCKY CABINET FOR HUMAN RESOURCES ADMINISTRATIVE RADIATION REGULATIONS, 902 KAR 100.

11. RADIOACTIVE MATERIAL SHALL BE USED AT:

THE LICENSEE'S FACILITY LOCATED AT 4102 BISHOP LANE, LOUISVILLE, KENTUCKY.

RADIOACTIVE MATERIAL MAY BE USED AT TEMPORARY JOB SITES, IN AREAS NOT UNDER EXCLUSIVE FEDERAL JURISDICTION, ANYWHERE IN THE COMMONWEALTH OF KENTUCKY WHERE THE CABINET MAINTAINS JURISDIC-TION FOR REGULATING THE USE OF RADIOACTIVE MATERIAL. (THIS CONDITION DOES NOT PROHIBIT USE IN OTHER STATES UNDER RECIPRO-CITY PRIVILEGES WHICH MAY BE GRANTED BY THE REGULATORY AGENCY HAVING JURISDICTION.)

12. COPIES OF RECORDS REQUIRED PURSUANT TO 902 KAR 100 OR CONDITIONS OF THE LICENSE SHALL BE MAINTAINED FOR INSPECTION BY THE CABINET AT 4102 BISHOP LANE, LOUISVILLE, KENTUCKY

LICENSE NUMBER: 201-593-05 AMENDMENT 3

- 13. THE INDIVIDUALS LISTED BELOW ARE THE ONLY PERSONS AUTHORIZED BY THIS LICENSE TO ACT AS RADIOGRAPHERS OR RADIOGRAPHERS' ASSISTANTS AS DEFINED IN 902 KAR 100:010.
 - A. RADIOGRAPHERS:

B. RADIOGRAPHER'S ASSISTANTS:

DAVID C. BROWN KEN M. ROGERS DALE URBAN

NONE

ALTERNATIVELY, INDIVIDUALS WHO HAVE BEEN TRAINED A SPECIFIED IN APPLICATION DATED OCTOBER 7, 1996, AND APPROVED IN WRITING BY THE RADIATION SAFETY OFFICER MAY ACT AS RADIOGRAPHERS OR RADIOGRAPHERS' ASSISTANTS AS DEFINED IN 902 KAR 100:100. THE LICENSEE SHALL MAINTAIN FOR INSPECTION BY THE CABINET RECORDS OF TRAINING RECEIVED BY INDIVIDUALS DESIGNATED AS RADIOGRAPHERS OR RADIOGRAPHERS' ASSISTANTS FOR FIVE (5) YEARS FOLLOWING THE LAST USE OF RADIOACTIVE MATERIAL BY THE INDIVIDUAL. THIS TRAINING PROGRAM IS APPLICABLE ONLY TO INDIVIDUALS WHO SHALL USE LICENSED MATERIAL UNDER THE AUTHORITY OF THIS LICENSE.

- 14. THE RADIATION SAFETY OFFICER FOR THE ACTIVITIES AUTHORIZED BY THIS LICENSE IS DALE URBAN.
- 15. THIS LICENSEE IS AUTHORIZED TO COLLECT LEAK TEST SAMPLES IN ACCORDANCE WITH THE PROCEDURES DESCRIBED IN THE LICENSEE'S CORRESPONDENCE DATED MARCH 11, 1997 FOR ANALYSIS BY AMERSHAM. ALTERNATIVELY, LEAK TEST SAMPLES MAY BE COLLECTED AND/OR ANALYZED BY OTHER PERSONS SPECIFICALLY AUTHORIZED BY THE CABINET, U.S. NUCLEAR REGULATORY COMMISSION OR AN AGREEMENT STATE.
- 16. THE LICENSEE IS AUTHORIZED TO CALIBRATE RADIATION SURVEY INSTRUMENTATION IN ACCORDANCE WITH PROCEDURES DESCRIBED IN THE LICENSEE'S CORRESPONDENCE DATED MARCH 11, 1997.
- THE LICENSEE SHALL CONDUCT A QUARTERLY PHYSICAL INVENTORY TO ACCOUNT FOR ALL SEALED SOURCES RECEIVED AND POSSESSED UNDER THE LICENSE. THE RECORDS OF THE INVENTORIES SHALL BE MAINTAINED FOR TWO (2) YEARS FROM THE DATE OF THE INVENTORY FOR INSPECTION BY THE CABINET, AND SHALL INCLUDE THE QUANTITIES AND KINDS OF RADIOACTIVE MATERIAL, MANUFACTURER, LOCATION OF SEALED SOURCES, THE DATE OF THE INVENTORY, AND NAME OF THE INDIVIDUAL COND-UCTING THE INVENTORY.

- 18. SEALED SOURCES AUTHORIZED FOR A USE OTHER THAN RADIOGRAPHY SHALL BE TESTED AS RADIOGRAPHY SOURCES IN ACCORDANCE WITH 902 KAR 100:100 SECTION 6.
- 19. THE LICENSEE IS AUTHORIZED TO RECEIVE, POSSESS, AND USE SEALED SOURCES OF IRIDIUM-192 OR COBALT-60 WHERE THE RADIOACTIVITY EXCEEDS THE MAXIMUM AMOUNT OF RADIOACTIVITY SPECIFIED IN ITEM 8 OF THIS LICENSE PROVIDED:
 - A. SUCH POSSESSION DOES NOT EXCEED THE QUANTITY PER SOURCE SPECIFIED IN ITEM 8 BY MORE THAN 20% FOR IRIDIUM-192 OR OR 10% FOR COBALT-60.
 - B. RECORDS OF THE LICENSEE SHOW THAT NO MOKE THAN THE MAXIMUM AMOUNT OF RADIOACTIVITY PER SOURCE SPECIFIED IN ITEM 8 OF THE LICENSE WAS ORDERED FROM THE SU PLIER OR TRANSFEROR OF THE RADIOACTIVE MATERIAL; AND
 - THE LEVELS OF RADIATION FOR RADIOGRAPHIC EXPOSURE DEVICES AND STORAGE CONTAINERS DO NOT EXCEED THOSE SPECIFIED IN IN 902 KAR 100:100, SECTION 2.
- 20. PURSUANT TO 902 KAR 100, THE LICENSEE IS AUTHORIZED TO RECEIVE TITLE TO, POSSESS, USE, AND TRANSFER UP TO 999 KILOGRAMS OF URANIUM CONTAINED AS SHIELDING MATERIAL IN THE RADIOGRAPHY EX-POSURE DEVICES AND SOURCE CHANGERS AUTHORIZED BY THIS LICENSE.
- 21. THE LICENSEE MAY TRANSPORT RADIOACTIVE MATERIAL, OR DELIVER RADIOACTIVE MATERIAL TO A CARRIER FOR TRANSPORT, IN ACCORDANCE WITH THE PROVISIONS OF 902 KAR 100:070, AND OTHER DEPARTMENTS OF THE COMMONWEALTH OF KENTUCKY HAVING JURISDICTION.
- IN ADDITION TO THE POSSESSION LIMITS IN ITEM 8, THE LICENSEE SHALL FURTHER RESTRICT THE POSSESSION OF RADIOACTIVE MATERIAL TO QUANTITIES BELOW THE MINIMUM LIMIT SPECIFIED IN 902 KAR 100:040, SECTION 15, FOR ESTABLISHING DECOMMISSIONING FINANCIAL ASSURANCE.
- 23. EXCEPT AS SPECIFICALLY PROVIDED OTHERWISE IN THIS LICENSE, THE LICENSEE SHALL CONDUCT ITS PROGRAM IN ACCORDANCE WITH THE STATEMENTS, REPRESENTATIONS, AND PROCEDURES CONTAINED IN THE DOCUMENTS, INCLUDING ANY ENCLOSURES, LISTED BELOW. THE CABINET FOR HUMAN RESOURCES REGULATIONS, 902 KAR 100, SHALL GOVERN UNLESS STATEMENTS, REPRESENTATIONS, AND PROCEDURES IN THE LICENSEE'S APPLICATION AND CORRESPONDENCE ARE MORE RESTRICTIVE THAN THE REGULATION.

CABINET FOR HEALTH SERVICES COMMONWEALTH OF KENTUCKY RADIOACTIVE MATERIAL LICENSE

LICENSE NUMBER: 201-593-05

AMENDMENT 3

PAGE 5

- A. APPLICATION DATED OCTOBER 7, 1996, SIGNED BY DAVID C. BROWN, PRESIDENT.
- B. METALLURGICAL SERVICES COMPANY OF KENTUCKY, INC. RADIATION SAFETY MANUAL FILED OCTOBER 12, 1996.
- C. LETTERS DATED:
 - 1. FILED NOVEMBER 13, 1996, SIGNED BY KEN ROGERS, RADIATION SAFETY OFFICER.
 - 2. JANUARY 30, 1997, SIGNED BY KEN ROGERS.
 - 3. MARCH 11, 1997, SIGNED BY KEN ROGERS.

SUPERVISOR RADIATION & TOXIC AGENTS CONTROL SECTION

JOHN H. MORSE

SECRETARY CABINET FOR HEALTH SERVICES

DATE ISSUED OCTOBER 23, 1998

METALLURGICAL SERVICES CO OF KY INC 02-98

4102 BISHOP LANE
LOUISVILLE, KY 40218

DATE fin. 18, 1999

PAY TO THE Miclean Regulation Commission \$ 1/00.00

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SYB STOCK YARDS BANK
AND TRUST COMPANY
LOUISVILLE, Kentucky
FOR Recipical Science

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LIST OF CUSTOMERS FOR NRC RECIPATORY LICENSE

Company Name	City	State
MSD	Cincinnati	ОН
MSD	Cincinnati	ОН
MCJUNKIN CORP	Cincinnati	ОН
NATIONAL STEEL SERVICE	Cincinnati	ОН
OKL CAN LINE	Cincinnati	ОН
TRINITY INDUSTRIES	Cincinnati	ОН
HUNTER MFG CO	Cleveland	ОН
ULMER & BERNE	Cleveland	ОН
H R GRAY ASSOC	Columbus	ОН
CENTRAL OHIO COAL CO	Cumberland	ОН
DAYTON PRECISION VALVE	Dayton	ОН
MONTGOMERY CO SANITARY ENGINEERING	Dayton	ОН
WOOLPERT CONSULTANTS	Dayton	ОН
ASHLAND CHEMICAL	Dublin	ОН
ARISTECH CHEMICAL CORP	Ironton	ОН
MEEHAN STEEL PRODUCTS COMPANY	Ironton	OH
U S STEEL CORP	Ironton	ОН
A-MOLD CORP	Mason	ОН
AK STEEL	Middletown	ОН
MACHINE CONCEPTS	Minister	ОН
CARDOX CORP	South Point	OH
RDI CONSTRUCTION INC	South Point	ОН
SOUTH POINT ETHANOL	South Point	ОН
BAR-MET ALUMINUM	Uhrichsville	ОН
CROSS POINTE PAPER CORP	West Carrollton	ОН
CATSI	Wheelersburg	ОН
HLT	Wilmington	ОН
HYDROLECTRIC LIFT TRUCKS	Wilmington	ОН
DAYTON POWER & LIGHT	Aberdeen	ОН
MEAD CENTRAL RESEARCH	Chillicothe	ОН
MEAD FINE PAPER	Chillicothe	OH
MEAD PAPER	Chillicothe	OH
TASK MACHINE & FABRICATION	Chillicothe	OH
AETNA INSURANCE	Cincinnati	OH
CINCINNATI STEEL PRODUCTS	Cincinnati	ОН
DHL.	Cincinnati	ОН
EARLE M. JORGENSEN CO	Cincinnati	OH
INTERMODAL TRANSPORTATION	Cincinnati	OH
ESSROC	Sallersburg	ZN

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Enerfab Cinn. OH
Cin/energy Cinn. OH
PCI Cinn. OH

LIST OF CUSTOMERS FOR NRC RECIPATORY LICENSE

Company Name	City	State	5-Digit Zip Code
K & I HARDCHROME	New Albany	IN	47150
METAL SALES	New Albany	IN	47150
PSI	New Albany	IN	47150
PADGETT, INC	New Albany	IN	47150
WYATT TARRANT & COMBS	New Albany	IN	47150
ZINK & SONS	New Albany	IN	47150
PSI	Owensville	IN	47665
POTTER & BRUMFIELD	Princeton	IN	47671
CM/KREBSOGE	Salem	IN	47167
MPERIAL CLEVITE INDUSTRIES	Salem	IN	47167
PAYNTER MACHINE WORKS	Salem	IN	47167
WASHINGTON CO HWY DEPARTMENT	Salem	IN	47167
HOLIDAY WORLD	Santa Claus	IN	47579
CHESTER POOLS SYSTEMS INC	Sellersburg	IN	47172
CHESTER POOLS SYSTEMS, INC	Sellersburg	IN	47172
CHESTER POOLS SYSTEMS,INC	Sellersburg	IN	47172
SERVEND	Sellersburg	IN	47172
CONTEL OF INDIANA	Seymour	IN	47274
PARDIECK, GILL & VARGO	Seymour	IN	47274
NEW ENERGY CORP	South Bend	IN	46680
Darrell Felling	Terre Haute	IN	47808
KELLAM INC	Wabash	IN	46992
WABASH ALLOYS	Wabash	IN	46992
DALTON FOUNDRIES INC	Warsaw	IN	46580
MAC ALLISTER MACHINERY CO	Washington	IN	47501
EGGE ASSOCIATES INC	Aurora	IN	47001
MORGAN FOODS INC	Austin	IN	47102
BLOOMFIELD MFG CO	Bloomfield	IN	47424
COOK INC	Bloomington	IN	47402
NDIANA UNIVERSITY	Bloomington	IN	47405
N A Insurance	Carmel	IN	46032
AMAX COAL	Chandler	IN	47610
O & L TRUCKING	Clarksville	IN	47130
ENVIRONMENTAL CONSULTANTS	Clarksville	IN	47130
W K M MACHINE TOOL CO	Clarksville	IN	47131
PRECISION AUTOMATION	Clarksville	IN	47129
SCAN STEEL	Clarksville	iN	47131
CORYDON MACHINE & TOOL	Corydon	IN	47112
ARM BUREAU INSURANCE	Corydon	IN	47112
KW	Crane	IN	47522
STOOPS EXPRESS	Daleville	IN	47334
LANDERS ELECTRIC	Evansville	IN	47711
G. E. SERVICE CENTER	Evansville	IN	47715
GENERAL ELECTRIC	Evansville	IN	47715
NDIANA TUBE	Evansville	IN	47730
OHNSON, CARROL & GRIFFITH	Evansville	IN	47712
GGHTLINGER & GRAY	Evansville	IN	47708
PYROTEK	Evansville	IN	47710

LIST OF CUSTOMERS FOR NRC RECIPATORY LICENSE

Company Name	City	State	5-Digit Zip Code	
STERLING BOILER & MECHANICAL	Evansville	IN	47715	
DANA CORP	Ft Wayne	IN	46801	
ACCU-CHEK	Georgetown	IN	47122	
INDIANA FARM BUREAU	Indianapolis	IN	46204	
MEYER TRUCK EQUIPMENT CO	Jasper	IN	47542	
A S I ROBOTIC SYSTEMS	Jeffersonville	IN	47130	
AMERICAN COMMERCIAL BARGE LINE	Jeffersonville	IN	47130	
CARMEN INDUSTRIES	Jeffersonville	IN	47130	
ENVIRONMENTAL ELEMENTS	Jeffersonville	IN	47130	
HEAT TRANSFER SPECIALTIES	Jeffersonville	IN	47130	
HILLERICH BRADSBY	Jeffersonville	IN	47130	
JEFFBOAT INC	Jeffersonville	IN	47130	
MONTEL METALS	Jeffersonville	IN	47131	
VOSS CLARK	Jeffersonville	IN	47130	
CORN ISLAND SHIPYARD	Lamar	IN	47550	
SEAGRAMS	Lawrenceburg	IN	47025	
CARTER AUTOMOTIVE PRODUCTS	Logansport	IN	46947	
MADISON CHEMICAL	Madison	IN	47250	
MADISON TOOL & DIE	Madison	IN	47250	
CONTECH	Mitchell	IN	47446	
GAF CHEMICALS CORP	Mt Vernon	IN	47620	
GENERAL ELECTRIC/Lexan Div	Mt Vernon	IN	47620	
GENERAL ELECTRIC/LEXAN DIV.	Mt Vernon	IN	47620	
INDIANA FARM BUREAU	Mt Vernon	!N	47620	
DUFFY TOOL & STAMPING INC	Muncie	IN	47302	
BERT HUNCILMAN & Son	New Albany	IN	47150	
BLUEGRASS CHEMICAL	New Albany	IN	47150	
CIMTECH	New Albany	IN	47150	
CONFORMA CLAD	New Albany	IN	47150	
CONFORMA CLAD COATING	New Albany	IN	47150	
CONFORMA CLAD COATINGS	New Albany	IN	47150	
CONTROL MACHINE INC	New Albany	IN	47150	
CUSTODIS MAINTENANCE SERVICE	New Albany	IN	47150	
FIREKING INTERNATIONAL	New Albany	IN	47150	
GLOBE MECHANICAL	New Albany	IN	47150	

Company Name	City	State
PSI	Princeton	IN
PSI	Terra Haute	IN
PSI	Edwardsport	IN
IKEC	Madison	IN
Axier Gas	Hanover	1N