



Ashland Performance Materials

100 Big Sandy River Road
Neal, WV 25530
Tel: 304 528-2600, Fax: 304 528-2648

February 28, 2013

VIA USPS CERTIFIED MAIL

Licensing Assistance Team
Division of Nuclear Materials Safety
U.S. Nuclear Regulatory Commission, Region I
2100 Renaissance Boulevard, Suite 100
King Of Prussia, PA 19406-2713

Re: Renewal of License 47-31073-01, Ashland Inc., 100 Big Sandy River Road, Kenova, WV.

Attn: Licensing Assistance Team

Please find enclosed two copies of NRC Form 313 and all associated information necessary for the renewal of Ashland Inc.'s NRC license (47-31073-01) for our Kenova, WV plant.

If you have any questions on this renewal information, please contact me at 304-528-2610.

Thank you.

Respectfully submitted,

Steven Dunsmore
Plant Manager

Br. 3

03036992

REC RG1 0311 13M0726

580196

NMSS/RGN1 MATERIALS-002

NRC FORM 313

U.S. NUCLEAR REGULATORY COMMISSION

APPROVED BY OMB: NO. 3150-0120

EXPIRES: (05/31/2015)

(05-2012)
10 CFR 30, 32, 33,
34, 35, 36, 39, and 40

APPLICATION FOR MATERIALS LICENSE

Estimated burden per response to comply with this mandatory collection request: 4.3 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. Send comments regarding burden estimate to the Information Services Branch (T-5 F53), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by Internet e-mail to Infocollects.Resource@nrc.gov, and to the Desk Officer, Office of Information and Regulatory Affairs, NEOB-10202, (3150-0120), Office of Management and Budget, Washington, DC 20503. If a means used to impose an information collection does not display a currently valid OMB control number, the NRC may not conduct or sponsor, and a person is not required to respond to, the information collection.

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:

OFFICE OF FEDERAL & STATE MATERIALS AND
ENVIRONMENTAL MANAGEMENT PROGRAMS
DIVISION OF MATERIALS SAFETY AND STATE AGREEMENTS
U.S. NUCLEAR REGULATORY COMMISSION
WASHINGTON, DC 20555-0001

ALL OTHER PERSONS FILE APPLICATIONS AS FOLLOWS:

IF YOU ARE LOCATED IN:

ALABAMA, CONNECTICUT, DELAWARE, DISTRICT OF COLUMBIA, FLORIDA, GEORGIA,
KENTUCKY, MAINE, MARYLAND, MASSACHUSETTS, NEW HAMPSHIRE, NEW JERSEY,
NEW YORK, NORTH CAROLINA, PENNSYLVANIA, PUERTO RICO, RHODE ISLAND, SOUTH
CAROLINA, TENNESSEE, VERMONT, VIRGINIA, VIRGIN ISLANDS, OR WEST VIRGINIA,

SEND APPLICATIONS TO:

LICENSING ASSISTANCE TEAM
DIVISION OF NUCLEAR MATERIALS SAFETY
U.S. NUCLEAR REGULATORY COMMISSION, REGION I
2100 RENAISSANCE BOULEVARD, SUITE 100
KING OF PRUSSIA, PA 19406-2713

IF YOU ARE LOCATED IN:

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

MATERIALS LICENSING BRANCH
U.S. NUCLEAR REGULATORY COMMISSION, REGION III
2443 WARRENVILLE ROAD, SUITE 210
LISLE, IL 60532-4352

ALASKA, ARIZONA, ARKANSAS, CALIFORNIA, COLORADO, HAWAII, IDAHO, KANSAS,
LOUISIANA, MISSISSIPPI, MONTANA, NEBRASKA, NEVADA, NEW MEXICO, NORTH
DAKOTA, OKLAHOMA, OREGON, PACIFIC TRUST TERRITORIES, SOUTH DAKOTA, TEXAS,
UTAH, WASHINGTON, OR WYOMING,

SEND APPLICATIONS TO:

NUCLEAR MATERIALS LICENSING BRANCH
U.S. NUCLEAR REGULATORY COMMISSION, REGION IV
1600 E. LAMAR BOULEVARD
ARLINGTON, TX 76011-4511

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 47-31073-01

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

Ashland Inc.
100 Big Sandy River Rd
Kenova, WV 25530

3. ADDRESS WHERE LICENSED MATERIAL WILL BE USED OR POSSESSED

Ashland Inc
100 Big Sandy River Rd
Kenova, WV 25530

4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION

Steve Dunsmore

BUSINESS TELEPHONE NUMBER
304-528-2610

BUSINESS CELLULAR TELEPHONE NUMBER
740-302-7069

BUSINESS EMAIL ADDRESS

sddunsmore@ashland.com

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. LICENSE FEES (See 10 CFR 170 and Section 170.31)

FEE CATEGORY

AMOUNT
ENCLOSED \$

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

SIGNATURE

DATE

Steve Dunsmore Plant Manager

Steven D Dunsmore

2-22-13

FOR NRC USE ONLY

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

5. Radioactive Material

5a. Element and mass number

- Cesium 137

5b. Chemical and/or physical form

- Sealed Source registered pursuant to 10 CFR 32.210

5c. Maximum Amount which will be possessed at any time

- Sealed sources contained in compatible Ohmart Corporation non-portable gauging devices which have been registered pursuant to 10 CFR 32.210 or an equivalent Agreement State regulation for measuring properties of materials and/or process control.

6. Purposes for which licensed material will be used

- Level and process density gauging.

7. Individuals responsible for radiation safety program and their training experience (Copy of certificate attached)

- Kenny Hann-Plant RSO Completed Ohmart Vega Radiation Safety Course March 26, 2009.
- Terry Blake-Alternate RSO. Completed Ohmart Vega Radiation Safety Course March 4, 2011.

8. Training for individuals working in or frequenting restricted areas.

- Only Trained RSO or Alternate are permitted to lockout or use these devices.

9. Facilities and Equipment

- Each device is permanently mounted to plant process vessels. If the plant ever needed to remove or store any of the devices, The Ohmart Corporation would be used to handle this process. We use two gauge devices for level measurement, and one for measuring process density.

10. Radiation Safety Program

- Please see Plant Radiation Safety Program attached. SWI-28 is reviewed annually for correctness.

11. Waste Management

- Installation, relocation, removal from service, maintenance, and repair of devices containing sealed sources shall be performed only by persons specifically licensed by the Commission to perform such services.

12. Fees

- No fees paid at this time. See attached email and payment confirmation showing payment in November.

MTN RADN01

OHMART VEGA

Kenny Hann

Marathon Oil Kenova, WV

has successfully completed the

Radiation Safety Officer Review

presented

March 25, 2009 - March 26, 2009

Subject matter covered:

Basic atomic theory
Measurement and monitoring techniques
Biological effects of radiation
Radiation Safety Program
Proper disposal practices
Emergency procedures



Kyle Harness
Radiation Safety Officer



Candy Brock
Training Manager

RADAR

GUIDED RADAR

ULTRASONIC

NUCLEAR

CAPACITANCE

VIBRATION

PRESSURE

OHMARTTMVEGA

Terry Blake

Ashland Inc. Kenova, WV

**has successfully completed the
Ohmart/VEGA Radiation Safety Officer Course**

presented
February 28, 2011 - March 4, 2011

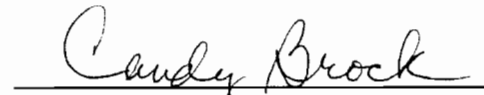
at
Ohmart/VEGA

Subject matter covered based on NUREG 1556:

Duties of the RSO
Basic atomic theory
Measurement and monitoring techniques
Exposure calculations
Biological effects of radiation
Rules and Regulations
Leak test, shutter check
Installation, relocation, and removal procedures
Hands on lab work
Proper disposal practices
Emergency procedures
DOT shipping



Maurits Hartog
Radiation Safety Officer



Candy Brock
Training Manager

Ashland Performance Materials**Neal WV - Maleic Anhydride Plant**

Date Issued: 04/16/2012	Safe Work Instruction Manual Radiation Safety Program, Operating, and Emergency Procedures	Document Number: SWI-28
Date Effective: 04/16/2012		Revision Number: 9
Supersedes: 09/13/2007		Page No: Page 1 of 5
Review Date: 12/31/2015	Document Custodian: Safety Compliance Engineer Senior Issued By: Nicolas Collucci	

The purpose of the Radiation Safety Program Operating Procedures and Emergency Procedures is to provide guidance and establish procedures for the safe use of Radioactive Gauging devices. The program will incorporate standard practices and procedures as well as existing company procedures. The program will incorporate the "ALARA Principle" as a fundamental basis for ensuring safety.

I. Radiation Safety Officer:

- A. The Radiation Safety Officer for this program is Kenny Hann. The Alternate Radiation Safety Officer is Terry Blake.
- B. The duties of the Radiation Safety Officer shall include the following:
 - 1. Overall coordination of the Radiation Safety Program including incorporation of the ALARA principle in all aspects of program management.
 - 2. Serve as liaison with regulatory agencies on license or inspection matters.
 - 3. Control procedure and disposal of licensed material.
 - 4. Maintain all records pertaining to the program.
 - 5. Ensure that licensed materials that are possessed or used by the company are limited to those specified in the license.
 - 6. Ensure that licensed materials are used only by those individuals who have received appropriate training and who are authorized by the radioactive materials license.
 - 7. Maintain records of all training as required by the license.
 - 8. Establish and maintain secure storage areas for any sources not in service.
 - 9. Ensure that licensed material is secured against unauthorized removal at all items.
 - 10. Establish and maintain the leak test program and associated records.

ATTENTION: Printed copies should be used with caution. The user of this document must ensure the current approved version of the document is being used. This copy was printed on: 2/4/2013, 3:39:02 PM. This copy will be considered non-controlled after 72 hours unless found in a controlled manual.

Ashland Performance Materials**Neal WV - Maleic Anhydride Plant**

Date Issued: 04/16/2012	Safe Work Instruction Manual Radiation Safety Program, Operating, and Emergency Procedures	Document Number: SWI-28
Date Effective: 04/16/2012		Revision Number: 9
Supersedes: 09/13/2007		Page No: Page 2 of 5
Review Date: 12/31/2015		
Document Custodian: Safety Compliance Engineer Senior		Issued By: Nicolas Collucci

11. Procure and maintain radiation survey instruments and ensure proper and timely calibration as required.
12. Develop and maintain up to date operating and emergency procedures.
13. Ensure that all terms and conditions of the license are met and that required records are maintained and reviewed for compliance with NRC regulations.
14. Conduct semiannual inventories of all licensed material and ensure that semiannual shutter operability checks are performed and documented.
15. At least annually perform a review of the Radiation Safety Program.
16. Serve as point of contact in emergency situations and ensure that all necessary notifications of proper authorities are made promptly.
17. Investigate the cause of incidents and determine necessary measures to prevent recurrence.

II. Radioactive Materials License 16-24948-01

- A. Issued by the US Nuclear Regulatory Commission and governs the possession and use of radioactive materials at the Neal, West Virginia Plant. The license specifically identifies the radioactive materials that may be used and possessed at the facility. It also specifically identifies the work that may be performed by Neal Plant employees. Unless a task is specifically stated in the license, the function may not be performed by Neal Plant employees. Any changes to the license required approval of the Commission in the form of an amendment.

III. Training

- A. Radiation Safety Officers shall receive training as specified in the radioactive materials license Condition 12.

ATTENTION: Printed copies should be used with caution. The user of this document must ensure the current approved version of the document is being used. This copy was printed on: 2/4/2013, 3:39:02 PM. This copy will be considered non-controlled after 72 hours unless found in a controlled manual.

Ashland Performance Materials**Neal WV - Maleic Anhydride Plant**

Date Issued: 04/16/2012	Safe Work Instruction Manual Radiation Safety Program, Operating, and Emergency Procedures	Document Number: SWI-28
Date Effective: 04/16/2012		Revision Number: 9
Supersedes: 09/13/2007		Page No: Page 3 of 5
Review Date: 12/31/2015		
Document Custodian: Safety Compliance Engineer Senior		Issued By: Nicolas Collucci

- B. Authorized users must receive training as specified in Condition 12 of the license for the purpose of performing lockout/tagout prior to confined space entry on vessels with radioactive gauging devices.

IV. Source Security and Protection

- A. All source holders shall be physically inventoried every six (6) months as required by condition 17 of the radioactive materials license.
- B. Records of inventories shall be kept on forms(s) designated by the Radiation Safety Officer. The Radiation Safety Officer or his/her designee shall maintain all records.
- C. Lockout/tagout of source holders shall be performed in accordance with established procedure.

V. Receipt, Inventory, and Disposal of Radioactive Material

- A. The Radiation Safety Officer in accordance with established company procedures and regulatory requirements shall maintain records of all incoming shipments of radioactive materials. All required surveys, wipe tests, and shipping documents shall be maintained on file.
- B. Inventories shall be conducted as described in Item 4 above.
- C. Disposal of all radioactive materials shall be performed in accordance with condition 16 of the Radioactive Materials license.

VI. Operating Procedures

- A. Operation of all radioactive gauging devices shall be performed in accordance with the manufacturer's specifications, manuals, and instructions and with established plant operating procedures.
- B. All work on the radioactive gauging devices shall be performed utilizing the principle of ALARA to minimize exposure to workers.

ATTENTION: Printed copies should be used with caution. The user of this document must ensure the current approved version of the document is being used. This copy was printed on: 2/4/2013, 3:39:02 PM. This copy will be considered non-controlled after 72 hours unless found in a controlled manual.

<u>Ashland Performance Materials</u>		<u>Neal WV - Maleic Anhydride Plant</u>	
Date Issued: 04/16/2012	Safe Work Instruction Manual Radiation Safety Program, Operating, and Emergency Procedures	Document Number: SWI-28	
Date Effective: 04/16/2012		Revision Number: 9	
Supersedes: 09/13/2007		Page No: Page 4 of 5	
Review Date: 12/31/2015			
Document Custodian: Safety Compliance Engineer Senior		Issued By: Nicolas Collucci	

- C. Work on the gauges is limited to those individuals who have received specific training as required by the radioactive materials license.
- D. Neal Plant employees may perform only those items specifically identified in the radioactive materials license on the gauging devices.

VII. Emergency Procedures

- A. Emergency procedures for incidents involving radioactive materials shall be performed in accordance with Neal's Emergency Action Plan EAP-VIII (L) (pages 40-44). Training on these procedures shall be given in accordance with "Training Guide for Training on Neal Plant Emergency Action Plan."

VIII. Radiological Instrumentation

- A. All radiological survey instruments are stored as indicated in EAP-VIII (L) page 41.
- B. Instruments are to be calibrated annually by companies that are licensed by the Nuclear Regulatory Commission or Agreement State. Confirmation of a vendor's license to perform the required calibrations must be obtained before sending instruments out for calibration and/or repair.
- C. Radiological survey instrumentation may only be used by those individuals who have received training in their operation and are approved by the Radiation Safety Officer.
- D. No radiological survey instrument shall be used if the calibration of the instrument is not current.
- E. Out of calibration survey instruments shall be brought to the attention of the Radiation Safety Officer immediately upon discovery.

IX. Postings and Warnings

- A. As required by the regulations in 10CFR, all required postings and warnings shall be placed in a conspicuous location, readily available to employees.

ATTENTION: Printed copies should be used with caution. The user of this document must ensure the current approved version of the document is being used. This copy was printed on: 2/4/2013, 3:39:02 PM. This copy will be considered non-controlled after 72 hours unless found in a controlled manual.

Ashland Performance Materials**Neal WV - Maleic Anhydride Plant**

Date Issued: 04/16/2012	Safe Work Instruction Manual Radiation Safety Program, Operating, and Emergency Procedures	Document Number: SWI-28
Date Effective: 04/16/2012		Revision Number: 9
Supersedes: 09/13/2007		Page No: Page 5 of 5
Review Date: 12/31/2015		
Document Custodian: Safety Compliance Engineer Senior		Issued By: Nicolas Collucci

- B. All postings and warnings shall be kept current and in a legible condition.
- C. All labels and identification tags on gauging devices shall be kept clean and legible. In the event a label becomes unreadable the manufacturer shall be contacted to replace the label.



RE: NRC license
Jenkins, Clarence
to:
Robert K Hann
01/18/2013 11:00 AM
Hide Details
From: "Jenkins, Clarence" <Clarence.Jenkins2@nrc.gov>
To: Robert K Hann/CP/APM/Ashland@Ashland,

Hello Mr. Hann:

No! You do not have to pay anything at this time; just complete the NRC313 form and submit it to your regional representative – Sattar Lodhi @ 610-337-5364. Once this process has been completed; then we will be in touch.

Thanks and have a great day!

Clarence Jenkins

From: Robert K Hann [<mailto:RKHann@ashland.com>]
Sent: Friday, January 18, 2013 9:21 AM
To: Jenkins, Clarence
Subject: NRC license

Clarence

Our license is up in April 2013. We paid our yearly dues in November. In December we received a notice of expiration. Do we just fill out form NRC313 and do we need to pay anything at this time.
NRC license no. 47-31073-01

Kenny Hann

Maint. Supervisor
Ashland Inc.
304-528-2621
C.304-360-4266
fax 528-2649

This e-mail contains information which may be privileged, confidential, proprietary, trade secret and/or otherwise legally protected. If you are not the intended recipient, please do not distribute this e-mail. Instead, please delete this e-mail from your system, and notify us that you received it in error. No waiver of any applicable privileges or legal protections is intended (and nothing herein shall constitute such a waiver), and all rights are reserved.

This is to acknowledge the receipt of your letter/application dated

2-28-13, and to inform you that the initial processing which includes an administrative review has been performed.

☒ *Renew : 47-31073-01* There were no administrative omissions. Your application was assigned to a technical reviewer. Please note that the technical review may identify additional omissions or require additional information.

☐ Please provide to this office within 30 days of your receipt of this card

A copy of your action has been forwarded to our License Fee & Accounts Receivable Branch, who will contact you separately if there is a fee issue involved.

Your action has been assigned **Mail Control Number** 580196.
When calling to inquire about this action, please refer to this control number.
You may call us on (610) 337-5398, or 337-5260.