

DUPLICATE ORIGINAL
SURETY RIDER

To be attached to and form a part of

Bond No. [REDACTED]

Type of

Bond: Financial Guarantee Bond

dated
effective

April 1, 2012

(MONTH-DAY-YEAR)

07-13441-02
03020681

executed by E. I. du Pont de Nemours and Company, Inc.
(PRINCIPAL)

,as Principal,

and by Fidelity and Deposit Company of Maryland and
Zurich American Insurance Company

,as Surety,

in favor of U. S. Nuclear Regulatory Commission (NRC)
(OBLIGEE)

in consideration of the mutual agreements herein contained the Principal and the Surety hereby
consent to changing:

The NRC license number, name and address of facility, and amount(s) for decommissioning activity guaranteed by the this bond:

To:

Radioactive Material License: 07-13441-02, covering the following facilities:

Facility Name: Stine-Haskell Research Center

Facility Address: 1090 Elkton Road, Newark, DE 19711

Facility Name: Experimental Station

Facility Address: 200 Powder Mill Road, Wilmington, DE 19803

Facility Name: Glasgow Plant

Facility Address: 2309 Sunset Lake Blvd., Newark, DE 19702

Facility Name: Chestnut Run Plaza

Facility Address: 4417 Lancaster Pike, Wilmington, DE 19805

Nothing herein contained shall vary, alter or extend any provision or condition of this bond except as herein expressly stated.

This rider
is effective

04-01-2012

(MONTH-DAY-YEAR)

Signed and Sealed

05-09-2016

E. I. du Pont de Nemours and Company, Inc.

By:

(PRINCIPAL)

(PRINCIPAL) Alicia A. Grivas, Manager Global Treasury Operations

Fidelity and Deposit Company of Maryland and Zurich American Insurance Company

By:

(ATTORNEY-IN-FACT)

Kathleen K. Freund

590690

NONNEGOTIABLE

**ZURICH AMERICAN INSURANCE COMPANY
COLONIAL AMERICAN CASUALTY AND SURETY COMPANY
FIDELITY AND DEPOSIT COMPANY OF MARYLAND
POWER OF ATTORNEY**

KNOW ALL MEN BY THESE PRESENTS: That the ZURICH AMERICAN INSURANCE COMPANY, a corporation of the State of New York, the COLONIAL AMERICAN CASUALTY AND SURETY COMPANY, a corporation of the State of Maryland, and the FIDELITY AND DEPOSIT COMPANY OF MARYLAND a corporation of the State of Maryland (herein collectively called the "Companies"), by **THOMAS O. MCCLELLAN, Vice President**, in pursuance of authority granted by Article V, Section 8, of the By-Laws of said Companies, which are set forth on the reverse side hereof and are hereby certified to be in full force and effect on the date hereof, do hereby nominate, constitute, and appoint **Kathleen K. FREUND and Stacy KILLEBREW, both of Denver, Colorado, EACH** its true and lawful agent and Attorney-in-Fact, to make, execute, seal and deliver, for, and on its behalf as surety, and as its act and deed: **any and all bonds and undertakings**, and the execution of such bonds or undertakings in pursuance of these presents, shall be as binding upon said Companies, as fully and amply, to all intents and purposes, as if they had been duly executed and acknowledged by the regularly elected officers of the ZURICH AMERICAN INSURANCE COMPANY at its office in New York, New York., the regularly elected officers of the COLONIAL AMERICAN CASUALTY AND SURETY COMPANY at its office in Owings Mills, Maryland., and the regularly elected officers of the FIDELITY AND DEPOSIT COMPANY OF MARYLAND at its office in Owings Mills, Maryland., in their own proper persons.

The said Vice President does hereby certify that the extract set forth on the reverse side hereof is a true copy of Article V, Section 8, of the By-Laws of said Companies, and is now in force.

IN WITNESS WHEREOF, the said Vice-President has hereunto subscribed his/her names and affixed the Corporate Seals of the said ZURICH AMERICAN INSURANCE COMPANY, COLONIAL AMERICAN CASUALTY AND SURETY COMPANY, and FIDELITY AND DEPOSIT COMPANY OF MARYLAND, this 10th day of September, A.D. 2015.

ATTEST:

**ZURICH AMERICAN INSURANCE COMPANY
COLONIAL AMERICAN CASUALTY AND SURETY COMPANY
FIDELITY AND DEPOSIT COMPANY OF MARYLAND**



By:

Eric D. Barnes

*Secretary
Eric D. Barnes*

Thomas O. McClellan

*Vice President
Thomas O. McClellan*

State of Maryland
County of Baltimore

On this 10th day of September, A.D. 2015, before the subscriber, a Notary Public of the State of Maryland, duly commissioned and qualified, **THOMAS O. MCCLELLAN, Vice President, and ERIC D. BARNES, Secretary**, of the Companies, to me personally known to be the individuals and officers described in and who executed the preceding instrument, and acknowledged the execution of same, and being by me duly sworn, depose and saith, that he/she is the said officer of the Company aforesaid, and that the seals affixed to the preceding instrument are the Corporate Seals of said Companies, and that the said Corporate Seals and the signature as such officer were duly affixed and subscribed to the said instrument by the authority and direction of the said Corporations.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my Official Seal the day and year first above written.

Maria D. Adamski

*Maria D. Adamski, Notary Public
My Commission Expires: July 8, 2019*



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EXTRACT FROM BY-LAWS OF THE COMPANIES

"Article V, Section 8, Attorneys-in-Fact. The Chief Executive Officer, the President, or any Executive Vice President or Vice President may, by written instrument under the attested corporate seal, appoint attorneys-in-fact with authority to execute bonds, policies, recognizances, stipulations, undertakings, or other like instruments on behalf of the Company, and may authorize any officer or any such attorney-in-fact to affix the corporate seal thereto; and may with or without cause modify or revoke any such appointment or authority at any time."

CERTIFICATE

I, the undersigned, Vice President of the ZURICH AMERICAN INSURANCE COMPANY, the COLONIAL AMERICAN CASUALTY AND SURETY COMPANY, and the FIDELITY AND DEPOSIT COMPANY OF MARYLAND, do hereby certify that the foregoing Power of Attorney is still in full force and effect on the date of this certificate; and I do further certify that Article V, Section 8, of the By-Laws of the Companies is still in force.

This Power of Attorney and Certificate may be signed by facsimile under and by authority of the following resolution of the Board of Directors of the ZURICH AMERICAN INSURANCE COMPANY at a meeting duly called and held on the 15th day of December 1998.

RESOLVED: "That the signature of the President or a Vice President and the attesting signature of a Secretary or an Assistant Secretary and the Seal of the Company may be affixed by facsimile on any Power of Attorney...Any such Power or any certificate thereof bearing such facsimile signature and seal shall be valid and binding on the Company."

This Power of Attorney and Certificate may be signed by facsimile under and by authority of the following resolution of the Board of Directors of the COLONIAL AMERICAN CASUALTY AND SURETY COMPANY at a meeting duly called and held on the 5th day of May, 1994, and the following resolution of the Board of Directors of the FIDELITY AND DEPOSIT COMPANY OF MARYLAND at a meeting duly called and held on the 10th day of May, 1990.

RESOLVED: "That the facsimile or mechanically reproduced seal of the company and facsimile or mechanically reproduced signature of any Vice-President, Secretary, or Assistant Secretary of the Company, whether made heretofore or hereafter, wherever appearing upon a certified copy of any power of attorney issued by the Company, shall be valid and binding upon the Company with the same force and effect as though manually affixed.

IN TESTIMONY WHEREOF, I have hereunto subscribed my name and affixed the corporate seals of the said Companies,
this 9th day of May, 20 16



Gerald F. Haley

Gerald F. Haley, Vice President

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E. I. DU PONT DE NEMOURS AND COMPANY
ASSISTANT SECRETARY'S CERTIFICATE

In my capacity as an Assistant Secretary of E. I. du Pont de Nemours and Company, a Delaware Corporation, (the "Company"), I hereby certify that:

1. Set forth below is a true copy of action duly taken by the Board of Directors of the Company on October 17, 1949, as last amended by the Office of the Chief Executive on February 14, 1996, and approved, adopted, ratified and confirmed in all respects by the Board of Directors on October 22, 2015, and same is still in full force and effect:

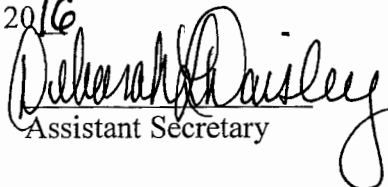
RESOLVED, that any member of the Office of the Chief Executive or any Vice President of DuPont Finance, together with the Secretary or any Assistant Secretary, of this Company, hereby are authorized to sign and execute on behalf of the Company any and all proposals, contracts and/or indemnity, surety or guaranty bonds or agreements necessary in connection with its business with national, state or local governments, corporations, partnerships or individuals, whether in the United States or foreign countries;

2. Set forth below is a true copy of a delegation of authority adopted by the Vice President and Treasurer of the Company effective October 19, 2012 and same is still in full force and effect:

I, D. H. Grier, Vice President and Treasurer of E. I. du Pont de Nemours and Company, (the "Company") hereby delegate to each of the Manager, Global Treasury Operations, and the Treasury Consultant, the authority to sign and execute, together with the Secretary or any Assistant Secretary, on behalf of the Company, any and all surety or guaranty bonds or agreements necessary in connection with the Company's business with national, state or local governments, corporations, partnerships or individuals, whether in the United states or foreign countries.

3. Alicia A. Grivas is the Manager, Global Treasury Operations and Anita Kranz is the Treasury Consultant.

IN WITNESS WHEREOF, I have set my hand and affixed the seal of this Corporation this 12th day of May, 2016


Assistant Secretary

(SEAL)

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