

DOW CHEMICAL CO /DE/  
Form S-8 POS  
October 27, 2016

**As filed with the Securities and Exchange Commission on October 27, 2016**

**UNITED STATES**  
**SECURITIES AND EXCHANGE COMMISSION**  
**WASHINGTON, D.C. 20549**

**POST-EFFECTIVE AMENDMENT NO. 1 TO**  
**FORM S-8 REGISTRATION STATEMENT NO. 333-199664**  
***UNDER THE SECURITIES ACT OF 1933***

**THE DOW CHEMICAL COMPANY**

**(a Delaware corporation)**

**Executive Offices 2030 Dow Center**

**Midland, Michigan 48674**

**(Name, state of incorporation and address of principal executive office of registrant)**

**I.R.S. Employer Identification No. 38-1285128**

**THE DOW CHEMICAL COMPANY**

**2012 Employee Stock Purchase Plan**

**(Full title of the plan)**

**Charles J. Kalil**

**Executive Vice President and General Counsel**

**THE DOW CHEMICAL COMPANY**

**2030 Dow Center**

**Midland, Michigan 48674**

**(Name and address of agent for service)**

**Telephone: (989) 636-1000**

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, or a smaller reporting company. See the definitions of large accelerated filer, accelerated filer and smaller reporting company in Rule 12b-2 of the Exchange Act (Check one):

Large accelerated filer

Accelerated filer

Non-accelerated filer (Do not check if a smaller reporting company)

Smaller reporting company

This Post-Effective Amendment No. 1 is being filed to amend Registration Statement No. 333-199664 on Form S-8 pursuant to which the Registrant registered 8,000,000 shares of its Common Stock, par value \$2.50 per share (the Stock ), for sale through the 2015 tranche of The Dow Chemical Company 2012 Employees Stock Purchase Plan (the Plan ). After the Registration Statement was filed and became effective, eligible employees purchased 3,148,837 shares of the Stock under the provisions of the Plan. Accordingly, the Registrant hereby deregisters the remaining 4,851,163 shares of the Stock by filing this Post-Effective Amendment No. 1 to amend Registration Statement No. 333-199664.

## SIGNATURES

*The Registrant.* Pursuant to the requirements of the Securities Act of 1933, the Registrant certifies that it has reasonable grounds to believe that it meets all of the requirements for filing on Form S-8 and has duly caused this amendment to Registration Statement No. 333-199664 to be signed on its behalf by the undersigned, thereunto duly authorized, in the City of Midland, State of Michigan, on October 27, 2016.

THE DOW CHEMICAL COMPANY

(Registrant)

By: /s/ RONALD C. EDMONDS

Ronald C. Edmonds

Vice President and Controller

Pursuant to the requirements of the Securities Act of 1933, this registration statement has been signed by the following persons in the capacities and on the date indicated.

A. BANGA\* Director

A. Banga

J. K. BARTON\* Director

J. K. Barton

J. A BELL\* Director

J. A. Bell

R. K. DAVIS\* Director

R. K. Davis

J. M. FETTIG*	Lead Director
J. M. Fettig	
A. N. LIVERIS*	Director, Chairman and Chief Executive Officer
A. N. Liveris	
M. LOUGHRIDGE*	Director
M. Loughridge	
R. J. MILCHOVICH*	Lead Director
R. J. Milchovich	
R. S. MILLER*	Director
R. S. Miller	
P. POLMAN*	Director
P. Polman	
D. H. REILLEY*	Director
D. H. Reilley	
J. M. RINGLER*	Director
J. M. Ringler	
R. G. SHAW*	Director
R. G. Shaw	
/S/ R. C. EDMONDS	Vice President and Controller (Principal Accounting Officer)
R. C. Edmonds	
H. I. UNGERLEIDER*	Vice Chairman and
H. I. Ungerleider	Chief Financial Officer

\*By: /S/ RONALD C. EDMONDS  
Ronald C. Edmonds

Attorney-in-Fact  
October 27, 2016

**EXHIBIT INDEX**

<b>Exhibit No.</b>	<b>Description of Exhibit</b>
24	Power of Attorney