

**BASIC ORDERING AGREEMENT
NO. PNNL-ICPT-BOA-2015-023, MODIFICATION #1**

BETWEEN

MDC Vacuum Products LLC

AND

Battelle Memorial Institute, Pacific Northwest Division, Management & Operating Contractor of the
U.S. Department of Energy's Pacific Northwest National Laboratory (PNNL)
On Behalf of the Integrated Contractor Purchasing Team for the Department of Energy

1.0 INTRODUCTION

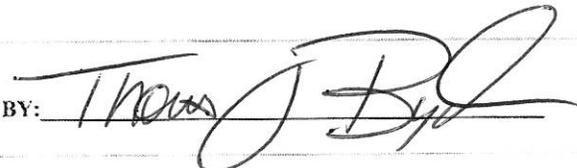
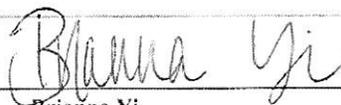
This Basic Ordering Agreement (BOA) between MDC Vacuum Products LLC (hereinafter referred to as "Seller") and Battelle Memorial Institute, Pacific Northwest Division (hereinafter referred to as "Contractor") is entered into to provide products and services to Department of Energy Contractors and authorized subcontractors in accordance with the terms and conditions contained in the original BOA awarded by Battelle Memorial Institute, Pacific Northwest Division (No. PNNL-ICPT-BOA-2015-023).

2.0 AGREEMENT

The parties to this agreement desire to modify said agreement by exercising the first of two (2) option years. The revised end date of this BOA is now August 16, 2018.

All other terms & conditions remain unchanged.

3.0 SIGNATURES

MDC Vacuum Products LLC	Battelle Memorial Institute, Pacific Northwest Division
BY: 	BY:  Brianna Yi
TITLE: VP SALES & MARKETING	TITLE: Senior Contract Specialist
DATE: AUGUST 1, 2017	DATE: August 1, 2017