



NIOSH Reference: TN-17096  
Mfr. Reference: NOR6677

Centers for Disease Control  
and Prevention (CDC)  
National Institute for Occupational  
Safety and Health (NIOSH)  
National Personal Protective  
Technology Laboratory (NPPTL)  
P.O. Box 18070  
Pittsburgh, PA 15236-0070  
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September 3, 2010

Ms. Edna DeMedeiros  
Manager, Filtration Research  
North Safety Products  
2000 Plainfield Pike  
Cranston, Rhode Island 02921

Dear Ms. DeMedeiros:

The National Institute for Occupational Safety and Health (NIOSH) has reviewed your request dated June 25, 2009. This request was for an extension of approval for the respirators that utilize the chemical cartridge, part number N7500-3, and combination cartridge, part number 7583P100, by adding an alternate carbon, Chemsorb 1202, for use on the models 7700 and 5500 half masks, 7600 and 5400 full facepieces air purifying respirators, reference assembly matrices 04215amab.xls, 04216amae.xls, and 04435amae.xls. In addition, the drawing files 01662RX.pdf, 01666RU.pdf, 04113RL.pdf, and 04124RK.pdf were submitted with minor dimensional changes. Also, the drawing file of the accessory shower cap, 04208RD.pdf, was submitted with a change to the component material.

This request is granted. Approvals are granted only for documentation written in the English language. It is the manufacturer's responsibility to correctly translate materials desired in languages other than English.

Since this request does not affect the approval labels, final labels are not enclosed.

The approved assemblies consist of the parts as listed on the approval labels and the assembly matrices. Parts are to be marked with the numbers indicated on the approval labels in a legible and permanent manner (marking cannot be removed without evidence of its previous presence).

No changes may be made to any respirators and accompanying documentation without prior written approval of NIOSH. Requests for changes must be submitted to NIOSH and a modification of this approval must be granted before changes are made.

Sincerely yours,

Heinz W. Ahlers  
Chief, Technology Evaluation Branch  
National Personal Protective Technology Laboratory

Enclosures



### TEST REPORT

**Task Number:** TN-17096

**Manufacturer:** North Safety Products

**Prepared by:** Aaron J. Reeder

**Tests Conducted by:** Aaron J. Reeder, Ray Jacobs, Courtney Neiderhiser, Will Tuttle

**Date:** September 2, 2010

**Respirator Tested:** N7500-3, 76008A

### Background Information

In an application dated June 25, 2010 North Safety Products requested extensions of approvals for the respirators that utilize the chemical cartridge, part number N7500-3 and combination cartridge, part number 7583P100 by adding an alternate carbon, Chemsorb 1202, for use on the models 7700 and 5500 half masks, 7600 and 5400 full facepieces, air purifying respirators, reference assembly matrices 04215amab.xls, 04216amae.xls and 04435amae.xls. In addition, the drawing files 01662RX.pdf, 01666RU.pdf, 04113RL.pdf and 04124RK.pdf were submitted with minor dimensional changes to these drawings. Also, the drawing file of the accessory shower cap, 04208RD.pdf was submitted with a change to the component material.

### Tests Assigned

<u>Test Description</u>	<u>STP Number</u>	<u>Reference</u>
A. Inhalation Resistance Test	TEB-APR-STP-0007	84.203
B. Chlorine Service Life Test	RCT-APR-STP-0035	84.207
C. Chlorine Dioxide Service Life Test	RCT-APR-STP-0036	84.190
D. Hydrogen Chloride Service Life Test	RCT-APR-STP-0040	84.207
E. Hydrogen Fluoride Service Life Test	RCT-APR-STP-0042	84.190
F. Organic Vapor Service Life Test	TEB-APR-STP-0046	84.207
G. Sulfur Dioxide Service Life Test	TEB-APR-STP-0048	84.207

### Overall Results

The items tested passed.