

March 26, 1996

Mr.

Subject: NIOSH Project - Evaluation of Substitutes for Silica Sand in Abrasive Blasting

Dear :

The purpose of this letter is to inform you that one of your <type> abrasives has been selected for the above mentioned project. As such, KTA/SET Environmental (KTA/SET) requests a recommendation for your product size and designation which will provide a 2-3 mil profile on standard mill scale bearing steel using 100 psi nozzle pressure. Please forward your recommendation, along with the product literature, material safety data sheets, distribution sites and your product brochure to KTA/SET, attention undersigned.

In accordance with the study protocol, each abrasive supplier is asked to specify the proper abrasive designation for providing the 2-3 mil profile. The actual study will be performed using a 6 bag pot at 100 psi with 1/4" venturi nozzle. One variable that can be altered at the request of the abrasive manufacturer is the metering valve setting. KTA/SET is requesting that each manufacturer recommend an abrasive metering valve size diameter, such as 1/2", 7/16", 3/8", 5/16", or 1/4" diameter hole metering valve setting. The default metering orifice will be 1/2" diameter.

We are asking you to supply this information by April 19, so that we can proceed with the acquisition of the abrasive and the start of testing. The abrasive will be purchased from one of your distributors. Please, feel free to contact me at 412-788-1300, extension 213, for any question or comments. Thank you in advance for your prompt attention to this matter.

Very truly yours,
KTA/SET Environmental

Michael F. MeLampy
Project Supervisor

J95331
MFM/KAT:lsk

NIOSH Abrasive Substitutes Study Questionnaire

Abrasive Type

Silica Sand

Size Designation

100 psi

Nozzle Pressure

#4 Venturi

Nozzle Type

Metering Valve Orifice

Diameter

0.5"		Pick only one please
0.4375"		
0.375"		
0.3125"		
0.25"		

Product Data Sheets Enclosed		yes or no
Material Safety Data Sheets Enclosed		yes or no

Truck Load Distributor Closest to:

Portland OR	
Los Angeles CA	
Houston TX	
Pittsburgh PA	
Baltimore MD	
Hartford CO	

Small Quantity Distributor Closest to:

Portland OR	
Los Angeles CA	
Houston TX	
Pittsburgh PA	
Baltimore MD	
Hartford CO	

Filled out by: _____ **Print Name:** _____
Title: _____ **Date:** _____