

Equipment Training Sheet - Rigaku Miniflex XRD

Name: _____

Position: _____

Department: _____

Phone: _____

e-mail: _____

Director: _____

Staff Initials	Trainee Initials	
		<p><u>Anyone needing access to MSE equipment needs to contact MSE tech staff:</u></p> <ul style="list-style-type: none"> • For initial training • For subsequent usage (will receive equipment card) • No secondary training of the equipment
		<p><u>Review of hazards, controls, personal protective equipment:</u></p> <ul style="list-style-type: none"> • Gloves should be worn to minimize oils from hands contaminating chamber • Any PPE and precautions should be followed for the specimens • Bring the MSDS for the material to be studied if hazardous • Machine generates X-rays, it is important to wear dosimeter rings <u>at all times</u> while operating the Miniflex to monitor any radiation exposure • Anode uses high voltage
		<p><u>Review of standard operating procedure:</u></p> <ul style="list-style-type: none"> • http://www.mse.engin.umich.edu/internal/procedures/miniflex • Usage time begins when placing initial sample in chamber
		<p><u>Available supplies to help in the procedure:</u></p> <ul style="list-style-type: none"> • Two common types of holders: <ul style="list-style-type: none"> ○ Etched glass for powders ○ Aluminum\clay\glass for solid samples • Tweezers, gloves, spatulas (to minimize sample contamination) • Mortar and pestles for grinding powder to a finer size • Double sided tape

Staff Signature/date: _____

Trainee Signature/date: _____