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Sent: Friday, August 9, 2019 5:14 PM
To: Straka, Kelly (DNR) <StrakaK1@michigan.gov>
Subject: MIOSHA Consultation Follow-up

Hello Kelly.

Thank you for your hospitality during my visit to the laboratory.

The following are recommendations related to employee safety and health:

- Sample Respiratory Protection Program – Please review your program for any gaps or use to rewrite your program. Delete/remove sections that are not applicable. Ensure that all the respirator models used (even different models of N-95s) are listed as respiratory protection used by employees.
- Review donning procedures to ensure employees tight-fitting respirators (e.g. N-95) are properly fitted/sealed to the face every time they are placed on the face.
- Review doffing procedures for respiratory protection to ensure all employees are properly trained and can demonstrate proficiency.
- Review disinfecting procedures for all reusable Personal Protective Equipment being used in the area including reusable respiratory protection. Surface wiping of PPE may not be sufficient to disinfect PPE. Consider “dip and dry” disinfecting for PAPR facepieces and hoses using a tuberculocidal disinfectant. Consult with the respirator manufacturer for recommended disinfectant and cleaning procedures. The CDC Chemical Disinfectant Guide provides information related to disinfectants and their tuberculocidal effectiveness. NOTE: Some surface disinfectants effective against tuberculosis may adversely affect employees; may not be appropriate for contact with the skin (e.g. Idophors); and/or have low occupational permissible exposure limits (e.g. formaldehyde and glutaraldehyde). Some disinfectants may degrade the respiratory protection reducing it’s useful life which is why it is important to consult with the respirator manufacturer.
- Consider using a full shroud with the PAPR rather than the under-the-chin style.
- Evaluate if fluid resistant N-95,N- 99 or N-100 rated respirators would provide better protection where used in a moist environment or where significant splattering may occur.
- Evaluate frequency of disposable mask change out schedule to unsure deteriorated masks are not being used beyond useful life.
- Continue to consult with Sparrow Occupational Medicine group related to medical recommendations related to frequency of skin testing for employees in areas where conversions have occurred.
- Ensure adequate medical follow-up is provided for employees who converted to positive skin test.

Refer to the following MIOSHA Standards for additional information and requirements:

Part 451 Respiratory Protection

Part 433 Personal Protective Equipment

Please feel free to contact me if you have additional questions or concerns.

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"Work Safe... Be Safe!"