



## **Supplementary Information**

### **Presentation from the Port Hope Community Health Concerns Committee**

In the Matter of the

**Cameco Fuel Manufacturing Inc.**

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Application to Renew the Class IB Nuclear  
Fuel Facility Licence for Cameco Fuel  
Manufacturing Inc. in Port Hope, Ontario

**Commission Public Hearing**

**November 23, 2022**

## **Renseignements supplémentaires**

### **Présentation du Port Hope Community Health Concerns Committee**

À l'égard de

**Cameco Fuel Manufacturing Inc.**

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Demande de renouvellement du permis  
d'exploitation de l'installation de combustible  
nucléaire de catégorie IB pour Cameco Fuel  
Manufacturing Inc. à Port Hope (Ontario)

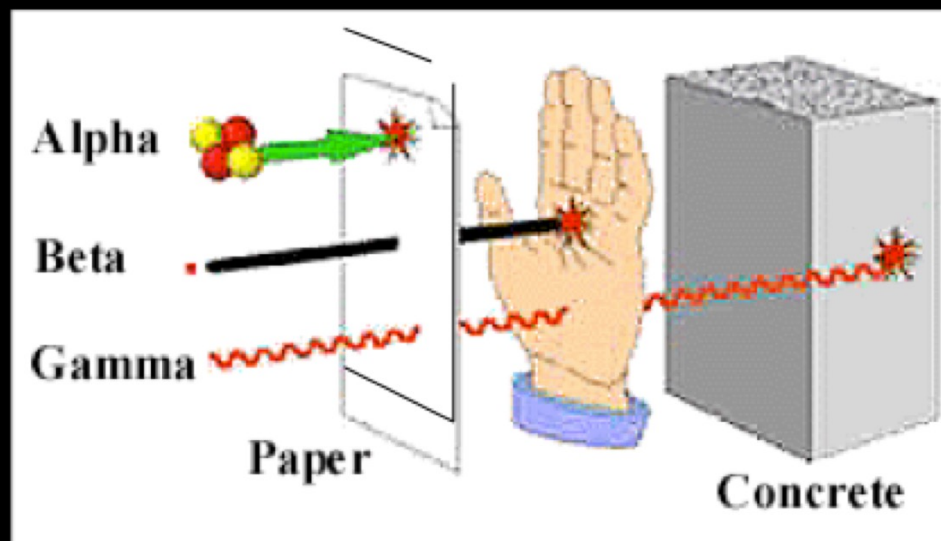
**Audience publique de la Commission**

**23 novembre 2022**

**Figure 1: Aerial image of the CFM facility, located in Port Hope, Ontario.**



Alpha particles can be stopped by a sheet of paper. Alpha emitters are harmless outside the body, but **exceedingly dangerous when ingested or inhaled.**



Beta particles penetrate only part-way. They can damage eyes or skin externally. But **the main danger is internal exposure.**

Gamma rays are highly penetrating. They give **"whole body" radiation.** Heavy shielding is often needed.

*Figure 7. Alpha particles have very little penetrating power*

Diameter of Particulate escaping HEPA filter: 0.1 to 1 micron

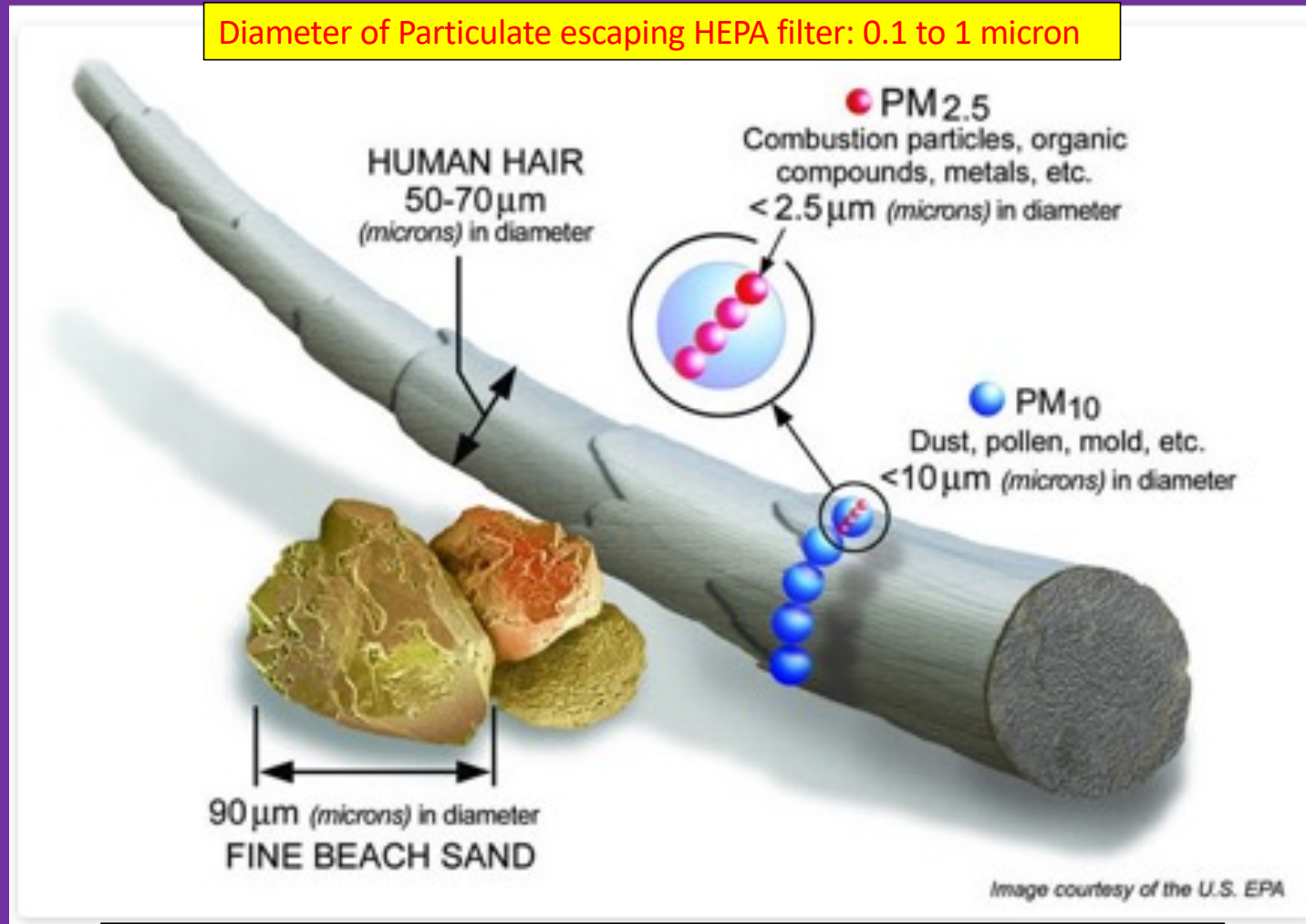
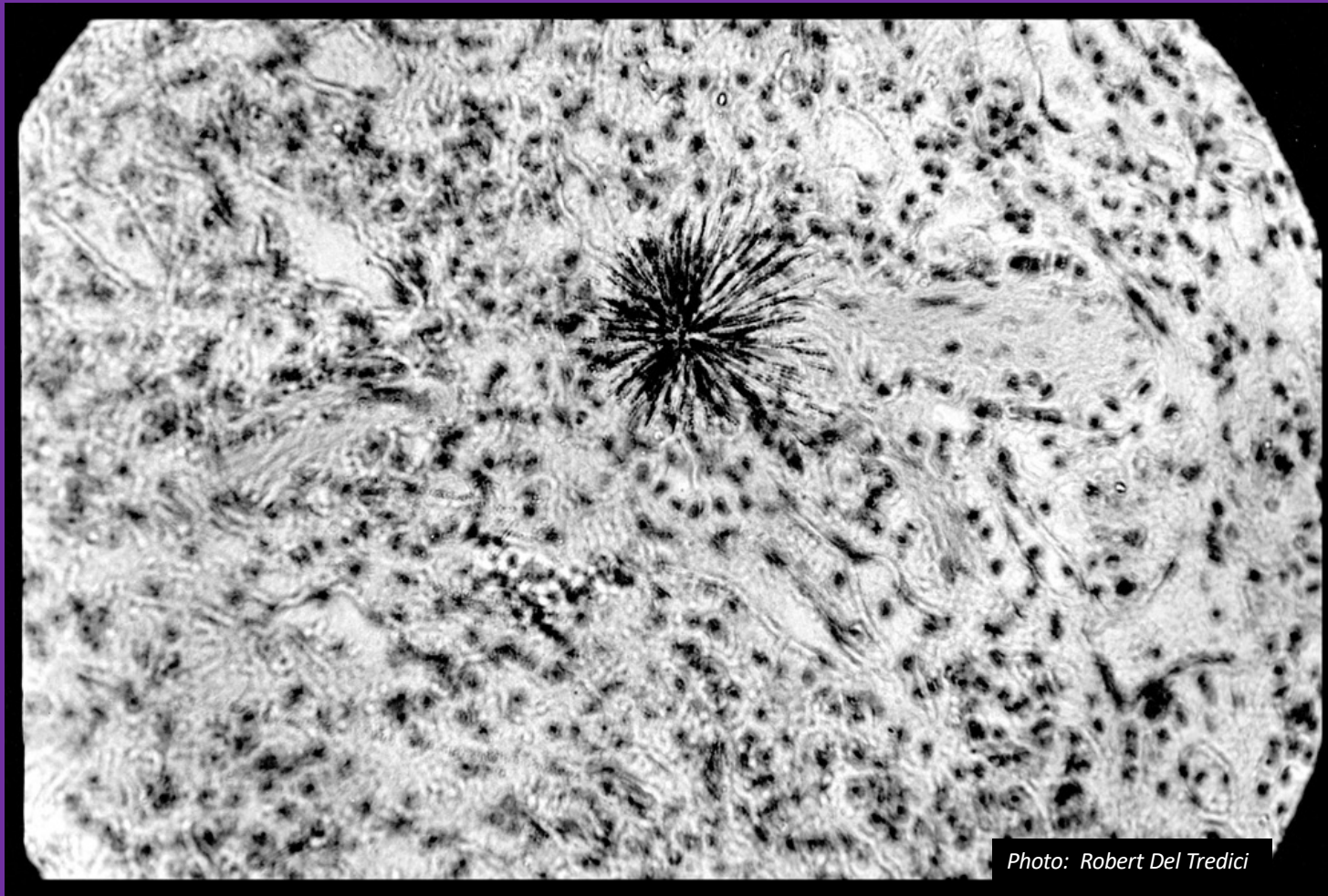


Figure 5. Particulates with diameter < 2.5 microns compared to a human hair.





*Photo: Robert Del Tredici*

“Alpha Radiation” from a tiny radioactive particle in lung tissue

### *Health Concerns Committee Recommendations*

*“1. **Cameco’s request for a 20 year license term** for the nuclear facility CFM with a 24% production increase involving natural, depleted and enriched uranium **must be rejected by the Commission** as unreasonable, unjustified and unacceptable in a community setting with no buffer zone whatsoever.*

*“2. **A two year license should be issued** to Cameco Corporation for this facility with the condition that within this two year time period, Cameco will prepare and submit a plan to the CNSC, relevant government departments, the municipality and the public **by December 31, 2024 to fully decommission all of its sites**, including CFM, within the boundaries of Port Hope.”*