Appendix C3

ESEM Data for Test #4 Day-30 Low-flow Fiberglass Samples in a Big Envelope

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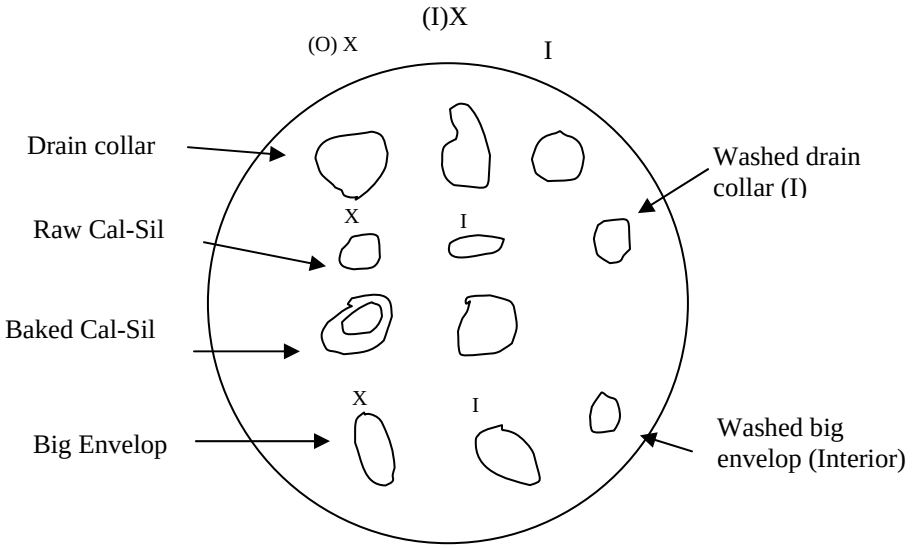
In this appendix, the fiberglass samples were extracted on June 23, 2005, the date that Test #4 was shut down. Both exterior and interior locations of the fiberglass samples were examined. Environmental SEM (ESEM) was employed to analyze the hydrated fiberglass samples without any coating under a low vacuum condition (i.e., 80 Pa), to minimize the modification of the fiberglass samples through drying process. The results of Test #4 Day-30 low-flow fiberglass samples in a big envelope were obtained on June 30, 2005. EDS results provide a semi-quantitative elemental analysis of the debris attached on fiberglass.

Transcribed Laboratory Log

Laboratory session from June 30, 2005.
Test #4 Day-30 Low-Flow Fiberglass in a Big Envelope.



Exterior Low-Flow for Big Envelope

Image:	T4EVLX1	100 ×	ESEM image	Figure C3-1
	t4evlx3	100 ×	ESEM image	Figure C3-2
	t4evlx2	500 ×	ESEM image higher magnification	Figure C3-3

Interior Low-Flow for Big Envelope

Image:	t4evli4	100 ×	ESEM image	Figure C3-4
	t4evli5	100 ×	ESEM image	Figure C3-5
	t4evli6	100 ×	ESEM image	Figure C3-6
	t4evli7	500 ×	ESEM image higher magnification	Figure C3-7

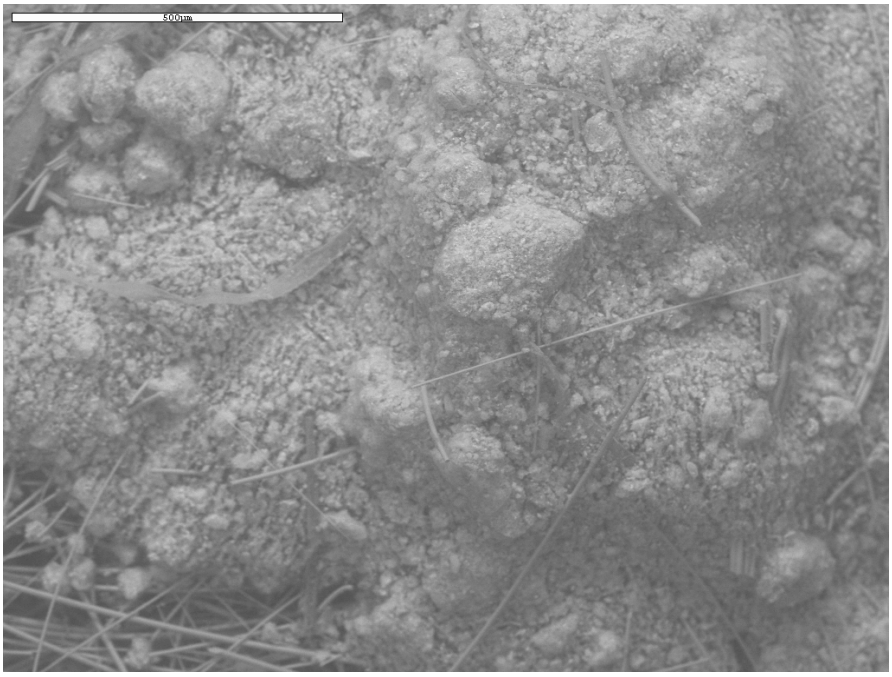


Figure C3-1: Environmental SEM image magnified 100 times for a Test #4 Day-30 exterior low-flow fiberglass sample in a big envelope. (T4EVLX1.jpg)

Figure C3-2: Environmental SEM image magnified 100 times for a Test #4 Day-30 exterior low-flow fiberglass sample in a big envelope. (t4evlx3.jpg)

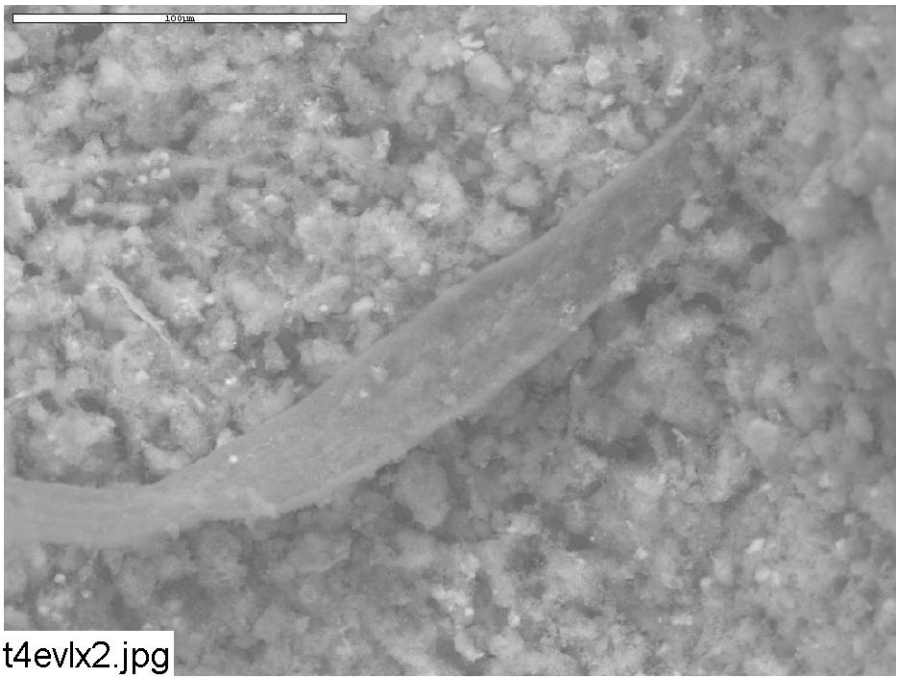


Figure C3-3: Environmental SEM image magnified 500 times for a Test #4 Day-30 exterior low-flow fiberglass sample in a big envelope. (t4evlx2.jpg)

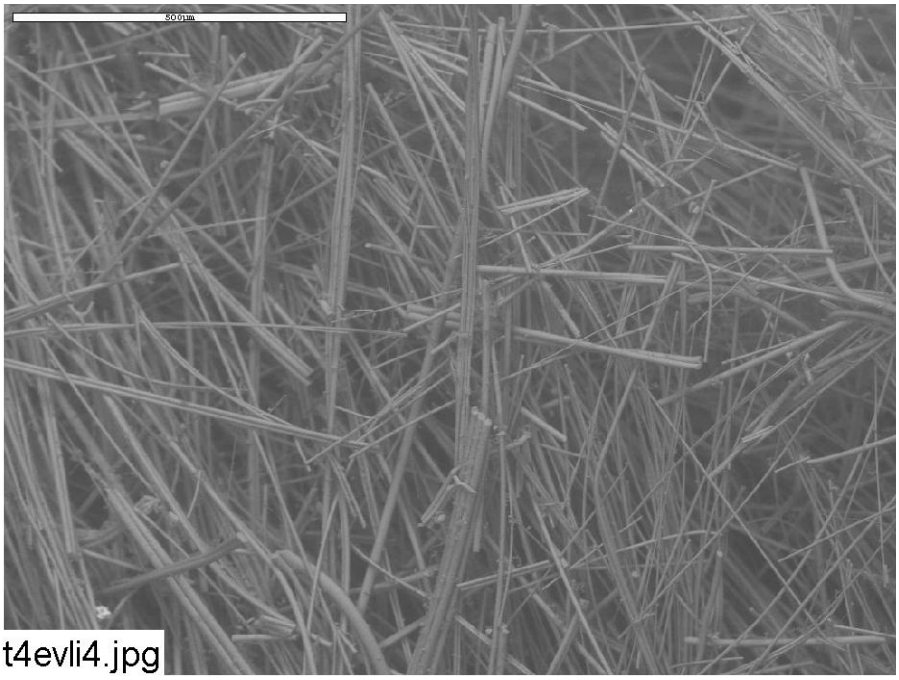


Figure C3-4: Environmental SEM image magnified 100 times for a Test #4 Day-30 interior low-flow fiberglass sample in a big envelope. (t4evli4.jpg)

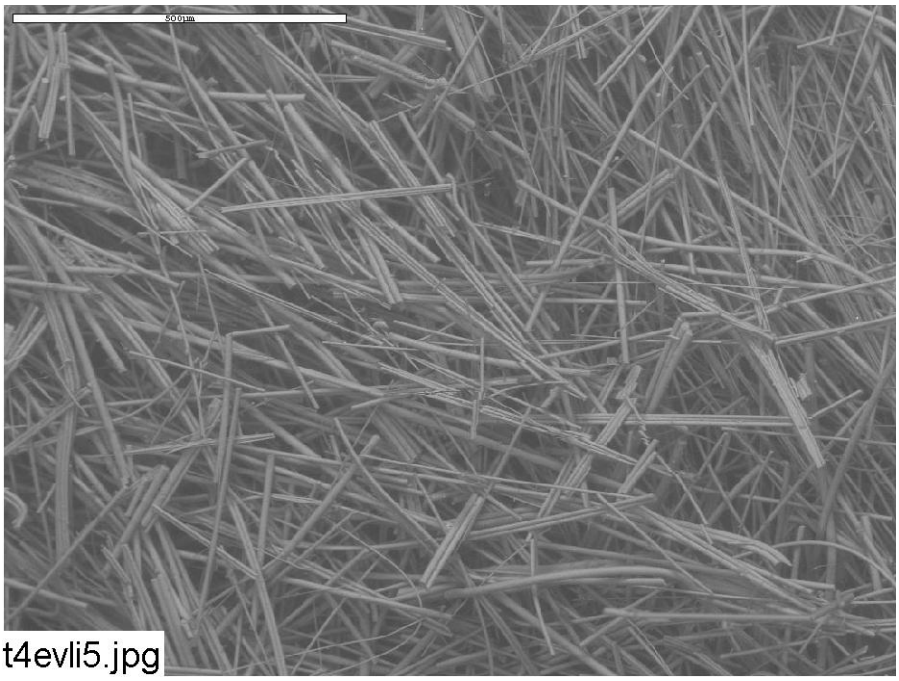


Figure C3-5: Environmental SEM image magnified 100 times for a Test #4 Day-30 interior low-flow fiberglass sample in a big envelope. (t4evli5.jpg)

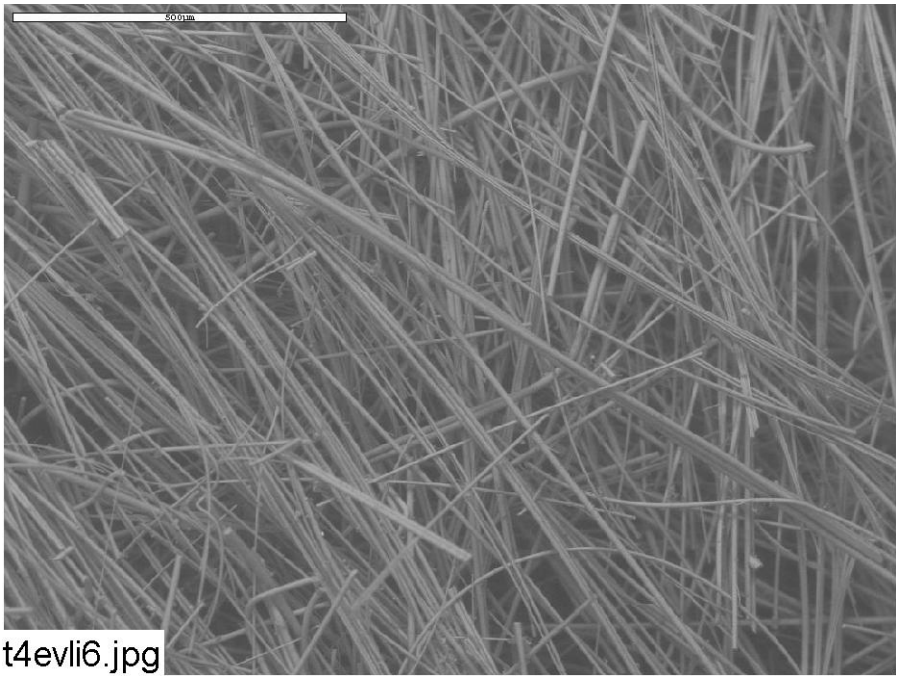


Figure C3-6: Environmental SEM image magnified 100 times for a Test #4 Day-30 interior low-flow fiberglass sample in a big envelope. (t4evli6.jpg)

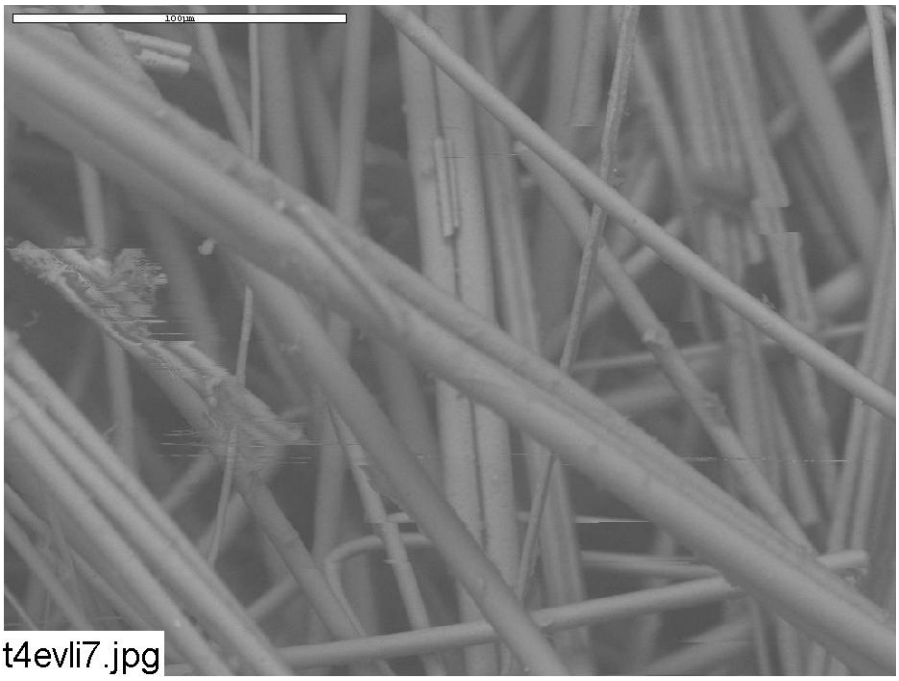


Figure C3-7: Environmental SEM image magnified 500 times for a Test #4 Day-30 interior low-flow fiberglass sample in a big envelope. (t4evli7.jpg)