



## HANFORD ENVIRONMENTAL HEALTH FOUNDATION

August 16, 1985

9855

UNC Nuclear Industries  
1114N Building  
100N Area

Attn: E. M. Greager

### PARTICULATE, METAL AND ANION ANALYSIS - 183H BASIN

Results of the particulate, copper and anion analysis of ten membrane filter samples and blanks received July 29, 1985, are shown in the attached table. These samples were reportedly collected during sludge removal from the 183H Basin. Reported concentrations are based on air volumes provided. As agreed in our discussion of July 24, 1985, only the two highest samples from each group were analyzed for copper and anions respectively.

Four samples reportedly collected July 27, 1985, were not analyzed because the air volumes sampled were not recorded. Four samples reportedly collected July 30, 1985, were also not analyzed as they were sampled incorrectly (material on back-up pad instead of filter).

If you have any questions, please contact Environmental Health Sciences.

*Maurice K. Hamilton*

M. K. Hamilton, CIH  
Laboratory Director  
Environmental Health Sciences

spm

Attachment



92125011500

ANALYTICAL RESULTS - 183H BASIN

Membrane Filters Received July 29, 1985

<u>Date</u>	<u>Time</u>	<u>Sample Location &amp; Description</u>	<u>m<sup>3</sup> Air Vol.</u>	<u>mg/m<sup>3</sup> Part</u>	<u>mg/m<sup>3</sup> F</u>	<u>mg/m<sup>3</sup> NO<sub>3</sub></u>	<u>mg/m<sup>3</sup> SO<sub>4</sub></u>	<u>mg/m<sup>3</sup> Cu</u>
7-26-85	0055-0700	9 - S. End	10.3	0.23	0.003	0.002	0.020	*
		H747 - N. End	10.3	0.13	0.001	0.004	0.007	*
		H573 - S. End	10.3	0.22	*	*	*	0.0065
		N72 - N. End	10.3	0.11	*	*	*	0.0016
		N4740- Blank	-	-	*	*	*	-
7-29-85	1100-1300	E276 - N. End	3.4	0.10	*	*	*	*
		N9579- S. End	3.4	0.20	*	*	*	*
		H793 - N. End	3.4	0.14	*	*	*	*
		H537 - S. End	3.4	0.11	*	*	*	*
		H177 - Blank	-	-	-	-	-	*
Allowable Eight-Hour Time-Weighted-Average				10.0	2.5	**	**	1.0

\*Not Analyzed

\*\*None Established