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To: "Stephen Cohen" <SJC7@nrc.gov>
Date: 5/3/06 6:03PM
Subject: Revised Breathing Zone Sample Spreadsheet - Kennecott-40-8584

Stephen Cohen:

Attached please find the Microsoft Excel (*.xls) file breathing_zone_sample_b.xls that contains some additional sample data that just became available.

Oscar Paulson
Facility Supervisor

CC: "Randy Archer" <rarcher@bresnan.net>, "Randy and Linda" <rarcher@tcinc.net>, "Linda Archer" <larcher@bresnan.net>, <shelley@tribcsp.com>

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Subject: Revised Breathing Zone Sample Spreadsheet
Creation Date: 5/3/06 6:15PM
From: "Oscar Paulson" <paulson@tribcsp.com>

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Kennecott Uranium Company
 Sweetwater Uranium Project
 Catchment Basin Excavation
 Breathing Zone Samples

Sample Number	Date	Task	Individual	Volume (milliliters)	Sample Lower	Natural Uranium (microCurie per milliliter)	Thorium-230 (microCurie per milliliter)	Radium-226 (microCurie per milliliter)	Natural Uranium	Thorium-230	Radium-226
					Limit of Detection (LLD) (microCurie per milliliter)				% of DAC (Percent)	% of DAC (Percent)	% of DAC (Percent)
1	01-Mar-06	Truck Driver	[REDACTED]	1.22E+06	8.20E-15 ND		5.74E-14 ND	ND			0.957 ND
2	08-Mar-06	Loader Operator	[REDACTED]	9.33E+05	1.09E-14	5.79E-13 ND	ND		2.895 ND		ND
3	09-Mar-06	Truck Driver	[REDACTED]	6.27E+05	1.62E-14	7.17E-14 ND	ND		0.359 ND		ND
4	15-Mar-06	Truck Driver	[REDACTED]	8.01E+05	1.27E-14	2.50E-14 ND	ND		0.125 ND		ND
5	16-Mar-06	Truck Driver	[REDACTED]	1.35E+06	7.51E-15	1.85E-14 ND	ND		0.093 ND		ND
6	20-Mar-06	Loader Operator	[REDACTED]	1.52E+06	6.69E-15	1.32E-14 ND	ND		0.066 ND		ND
7	21-Mar-06	Truck Driver	[REDACTED]	1.42E+06	7.13E-15	1.05E-14 ND	ND		0.053 ND		ND
8	22-Mar-06	Trackhoe Operator	[REDACTED]	1.27E+06	7.97E-15	1.18E-14 ND	ND		0.059 ND		ND
Average:				1.075E+06		1.042E-13	5.740E-14 ND		0.521		0.957 ND

Notes:

All results listed on the laboratory reports as being less than the specific sample's Lower Limit of Detection (LLD) are listed on this sheet as ND (non-detected).
 The averages are conservative in that non-detected readings were not included in the averages.
 Air sample results to date show that the excavation workers are unlikely to receive in excess of 10% of the applicable ALI thus individual monitoring of intakes is not required.

Derived Air Concentrations Used

	microCurie per milliliter
Natural Uranium	2.00E-11 Year
Radium-226	3.00E-10 Week
Thorium-230	6.00E-12 Year

OAP:5/3/06
 breathing_zone_samples.xls