

WUWS POTENTIAL Dose CALC - DRAFT

5-7-02

4 Potential Pathways

- (1) inhalation
- (2) drinking water ingestion
- (3) fish ingestion
- (4) soil ingestion

KEY INPUTS: media concentration

	MAX IN STUDY	REC 1 ACTUAL	REC 2 ACTUAL	MAX IN LH
INHALATION	2.8 $\mu\text{g}/\text{m}^3$	.436 $\mu\text{g}/\text{m}^3$	0.32 $\mu\text{g}/\text{m}^3$	1.105 $\mu\text{g}/\text{m}^3$
DRINKING WATER	8.6 $\mu\text{g}/\text{L}$	8.6 $\mu\text{g}/\text{L}$	6.4 $\mu\text{g}/\text{L}$	1.8 $\mu\text{g}/\text{L}$
DEPOSITION RATE	0.1709 $\text{g}/\text{m}^2/\text{yr}$	.0036 $\text{g}/\text{m}^2/\text{yr}$	.0047 $\text{g}/\text{m}^2/\text{yr}$	.025 $\text{g}/\text{m}^2/\text{yr}$
- SOIL CONC	0.85 mg/kg	.016 mg/kg	.021 mg/kg	0.11 mg/kg
FISH CONC.	.013 mg/kg	.013 mg/kg	.013 mg/kg	.013 mg/kg

KEY INPUTS: "demographic" parameters

PARAMETER	ADULT-LIFETIME	CHILD
Inhalation Rate (IR)	15.2 m^3/d	10 m^3/d
soil ingestion rate	100 mg/d	200 mg/d
drinking water int.	2 L/day	1 L/day
fish ingestion	.02 kg/d	.006 kg/day
averaging time (AT)		
CARCINOGENS	25,550 d	25,550 d
NON-CARCINOGENS	365 $\times$ ED	365 $\times$ ED
Body weight	70 kg	16 kg
Exposure duration (ED)	70	6 yrs
Exposure frequency (EF)	365 d/yr	365 d/yr

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