



Table 4

MDF Industries North Carolina Facility #5
Site Characterization Report

Risk Assessment
Exposure Parameter Values

Parameter	Student Cancer Risk	Employee Cancer Risk	Student Non-Carcinogenic Risk	Employee Non-Carcinogenic Risk
CA = Concentration in Air ($\mu\text{g}/\text{m}^3$)	1.643	1.643	1.643	1.643
ET = Exposure Time (hours/day)	11	8	11	8
EF= Exposure Frequency (days/year)	250	250	250	250
ED= Exposure Duration (years)	5	20	5	20
AT= Averaging time Cancer Risk (lifetime in years (70) * 365 days/year * ET hours/day(24))	613,200	613,200	---	---
AT= Averaging time Non Carcinogenic Risk (Exposure Duration in years * 365 days/year * ET hours/day(24))	---	---	43,800	175,200
Non-Carcinogenic RfC Conversion Factor (mg/m^3 to $\mu\text{g}/\text{m}^3$)	1	1	1,000	1,000