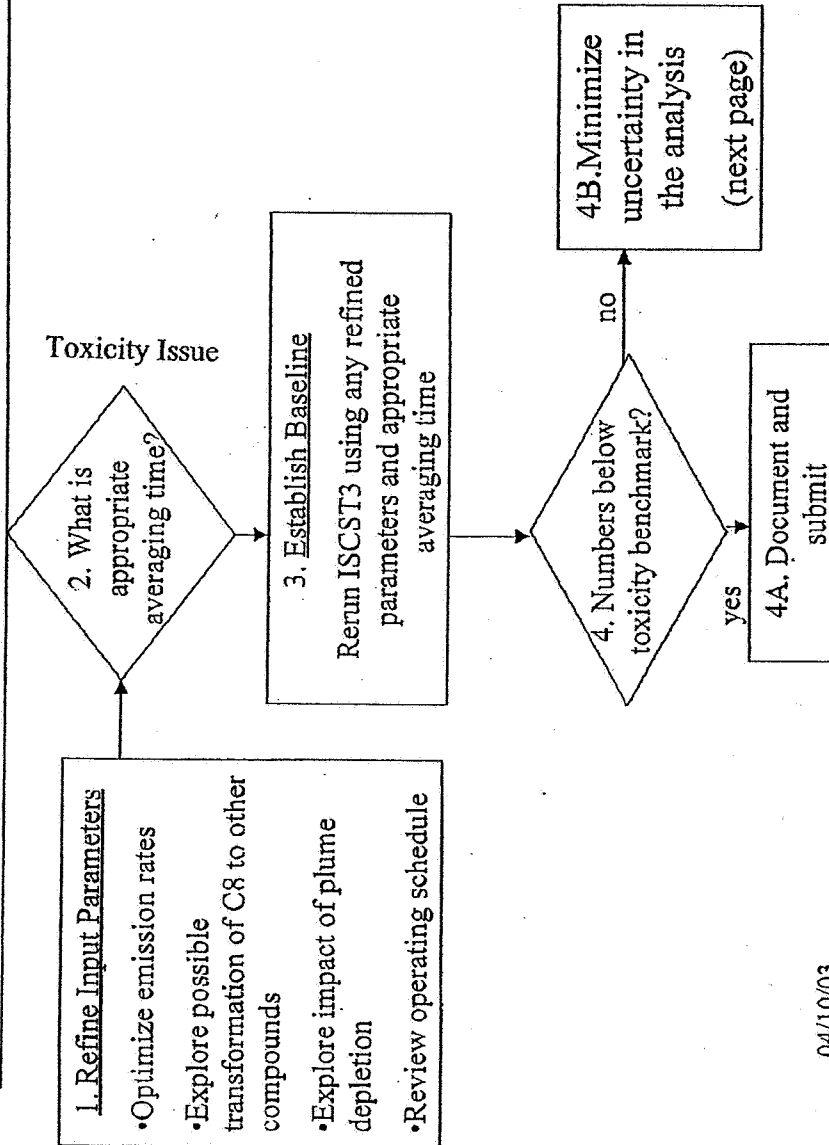


How should we address the request for short-term air exposure assessment?



04/10/03

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Minimize Uncertainty

Option 1

Minimize Model Uncertainty

- EPA recognizes model uncertainty, especially in short timeframes but doesn't specify over-prediction.
- Scholarly paper purports air dispersion models conservative by over 2X - only one reference and still doesn't offer alternative
- Best approach - Conduct modeling using EPA model (AERMOD - scheduled to be approved) compare results with ISC
- Assume 1 to 2 months; cost of new meteorological data and modeling time (< \$5000)

Option 2

Substitute Monitoring Data for Modeling

- Most likely less conservative than modeling
- Where and when to sample are critical issues
- Edge Moor sampling program was \$50-60,000 based on 5 sampling events (locations) measuring 24-hr average concentrations at 5 locations.

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