

3M Fluorochemical EHS & R Initiative

Chuck Kiester's

BOARD OF DIRECTORS PRESENTATION

May 9, 2000

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CONFIDENTIAL - SUBJECT TO A PROTECTIVE ORDER ENTERED IN
HENNEPIN COUNTY DISTRICT COURT, NO. 27-CV-10-28862



3M_MN05367080

1684.0001

3M Fluorochemicals EHS&R Initiative



Issue Summary

- 3M discovery of 3M fluorochemical in blood of general population
- No medical or scientific basis to attribute any adverse health effects to 3M products
- Developing and implementing plans to minimize exposures and emissions
- Accelerating scientific studies - health, safety, environmental issues

Attorney-Client and Work Product Privileged
Do Not Copy-Do Not Disclose

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3M Fluorochemical EHS & R Initiative

Internal Questions

- **What Does This Finding Mean?**
- **Where Does PFOS Come From?**
- **What Should We Do?**
- **What is Context for Risk Management Decisions?**
- **Have We Caused Harm? (past)**
- **Are We Causing Harm? (current)**
- **Will We Cause Harm? (future)**
- **Is Exposure From Products?**
- **Is Exposure From Historical Releases?**
- **Is PFOS Everywhere in World?**
- **What Process Should We Use To Obtain Answers?**

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Estimated 3M Annual Production (Global)

Perfluorooctanyl - Based Products*

PFOS-Based Products

Scotchgard	3,844,796 lbs.
Scotchban	2,909,064 lbs.
Lightwater	96,240 lbs.
Surfactants & Intermediates	<u>399,900 lbs.</u>
TOTAL PFOS-Based	7,250,000 lbs.

PFOA-Based Products:

TOTAL PFOA-Based: 363,444 lbs.

Total Annual Perfluorooctanyl**-
Based Products 7,613,444 lbs.

* Expressed as lbs. - solids

** Estimate Based on April 2000 YTD Actual Shipments

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3M Fluorochemical EHS & R Initiative

Program Scope

- **Assemble Current Knowledge**
 - Composition of Products
 - Applications & Life Cycle Exposures
 - Life Cycle Releases
 - Historical Production & Releases
 - Toxicology & Occ. Medicine Studies
 - Environmental Fate & Effects Studies
- **Fill in Knowledge Gaps**
 - Undertake Additional Studies
- **Characterize Overall Risks**
 - Internal & External Characterizations and Assessments
- **Risk Management Initiatives**
 - Re-engineering
 - Applications Review
 - Reinvention
 - Emissions Reduction
 - Exposure Reductions
- **Communicate to Stakeholders**
 - Regulators
 - Employees
 - Customers
 - Trade Associations
 - Other Suppliers

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Fluorochemical EHS & R Initiative

U.S. Regulatory Stakeholders

- May-Sept. 1998* • *Information Submissions to EPA, FDA*
- Dec. 1998* • *Meeting with EPA*
- Jan. '99 -
Mar. 2000* • *Scientific Information Submissions -
EPA, FDA*
- January 2000* • *EPA Requests for information re selected
Fluoro-Organics (PBT focus)*
- March 7, 2000* • *Meeting with EPA*
 - *Update EPA on EHS&R Initiative*
 - *Seek Guidance on Science*
 - *Confidence in 3M Program*
 - *Clarify EPA Information Requests*
- March 20,
April 7* • *EPA Requests for Additional information*

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Fluorochemical EHS & R Initiative

U. S. Regulatory Stakeholders

April 28 • Meeting with EPA - Their Concerns:

- *Widespread Distribution - Humans, Environment*
- *Accumulation Potential*
- *Safety Margins*
- *Submit Additional (Interim) Data*
 - *EPA wants to know what 3M knows*

May 9 • Meeting with EPA

- *Clarify Path Forward with EPA*
- *Discuss 3M Intentions*

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