3M Fluorochemical EHS & R Initiative



Chuck Kiester's

BOARD OF DIRECTORS PRESENTATION

May 9, 2000

05 132126

Exhibit 1684

State of Minnesota v. 3M Co., Court File No. 27-CV-10-28862

3M_MN05367080

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

HERVIEW SENSOR MATERIAL

3M Fluorochemical EHS & R Initiative



- 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?

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	399,900 lbs.

PFOA-Based Products:

TOTAL PFOS-Based

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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7,250,000 lbs.

3M Fluorochemical EHS & R Initiative



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
- Emissions Reduction
- Applications Review Exposure Reductions

- Reinvention

Communicate to Stakeholders

- Regulators
- **Employees**
- Customers
- 'Trade Associations
- Other Suppliers

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

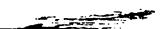
• EPA Requests for information re selected Fluoro-Organics (PBT focus)

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

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