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August 7, 2012

Sensemaking in the Shadow of a Superfund Site: Defining ATSDR Roles and Goals in an Agency-Saturated Community

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Sensemaking in the Shadow of a Superfund Site

Defining ATSDR Roles and Goals in an Agency-Saturated Community

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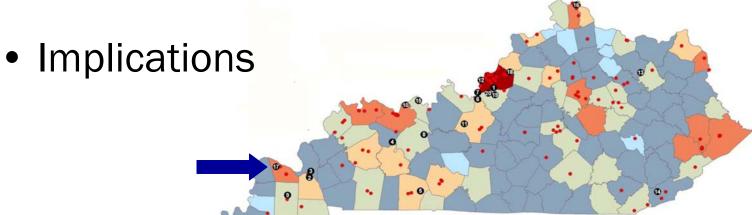




Where We Are Going

- Sensemaking in Risk Communication
- The Superfund Tapestry
 - Locals
 - Outsiders

The PGDP Case Study









Sensemaking

Individuals working together to create shared meaning



Seeks:

- Plausibility
- **Coherence**
- Reasonableness
- Social Acceptability
- Credibility



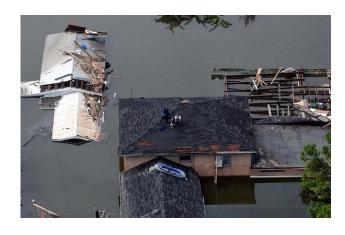




Cosmological Episodes

"When people suddenly and deeply feel that the universe is no longer a rational, orderly system"

--Weick, 2001



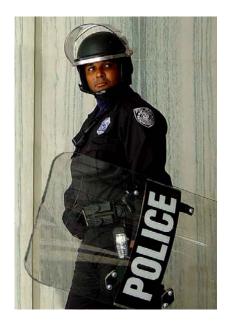








Roles







"Thrust people into unfamiliar roles, leave some key roles unfilled, make the task more ambiguous, discredit the role system, and make all of these changes in a context in which small events can combine into something monstrous"







So What?

Role Deterioration



Loss of Meaning







The Superfund Tapestry

- Historically Situated
- Environmental and Health Concerns
- Stakeholder Heterogeneity
- Complex Statutory Environment

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Locals

- Homeowners/Landowners Near the Site
- PRP Employees
- Environmental/Health Advocates
- Healthcare Providers
- Educators
- Local Media
- Religious Community
- Hunters/Fishermen
- Tourism Industry
- Local Government
- SSABs/CABs







Outsiders

- Federal Agencies
 - US EPA
 - ATSDR
 - NIEHS (SRP)
 - DOE
 - DOD
- State Agencies
 - Environmental Protection
 - Divisions of Water
 - Divisions of Air Quality
 - Divisions of Waste Management
 - Superfund Branches
 - Health Departments
- University Researchers







Paducah Gaseous Diffusion Plant



TCE Concentration

1 pg/L
5 pg/L
100 pg/L
1,0,000 pg/L
100,000 pg/L

- Only operating US uranium GDP (1952-present)
- 1,200 workers/\$121M payroll
- TCE and Tc-99 in nearby private drinking wells (1988)
- EPA Superfund National Priority List (1993-94)
- One of the largest TCE plumes in the world
- Plant to close in 5-10 years







Methods

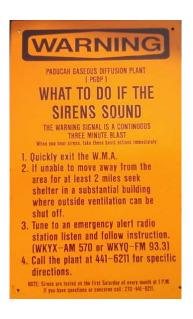
- 4-Year Study
- Interviews (n=63)
- Focus Groups (n=8)
- Content Analysis: Paducah Sun
 (Jan. Dec. 2005, n=85 articles)
- Internet Inquiry (Activist Blog)







Findings: Interviews



- "...[I]t's all on the ATSDR/CDC site, and we even had a sick worker get up at one of the meetings and talk about some of this stuff... They never told anybody anything. And they're still not doing it."
- "So why didn't ASTDR [sic] do an epi study? They [i.e., 'the government'] never do any honest stuff..."
- "What you're seeing in their ASTDR [sic] reports is a lot of good information, and they do capture a lot of things in the buildings. But then it's almost like I've got the real facts of the workers, and it's not matching what you're assessing here..."
- "...[T]here's been recent testimony that the ASTDR [sic] report was biased. These people were intimidated by the past administration."







Findings: Focus Groups



- "...[P]eople know that it's a plant out here for the government..."
- "...The federal government is notorious about [using acronyms], if you've ever tried to read a federal government document..."
- "[J]ust get the government the ____ out... They came in and disrupted everything..."
- "I would not want [information from] anybody affiliated with the government in any way..."



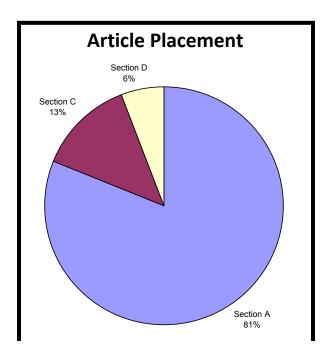




Findings: Media

Dominant Themes

- Contamination/pollution
- Toxins/toxic/poison
- Government
- Distrust
- Radiation
- Costs
- Regulations & Procedures



- Compensation
- Exposure
- Cancer
- Backlogs
- Protest
- Safety and Security
- Cleanup
- Workers/Sick Workers
- Jobs
- Contracts
- Delays/Postponements
- Timelines and Schedules
- Technology
- Family
- Economic Development
- Health

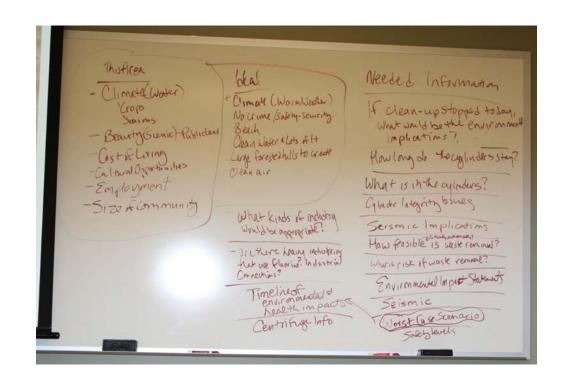






Findings: Blogs

- "There were, on the other hand, 7 or 8 government people in attendance. ..."
- "At one point during this process, one of the university/government women, Anna Hoover, took the floor..."









Implications

- Communicate ATSDR's role early, clearly, and often
- Coordinate with other "outside" stakeholders
- Listen









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^{*} For a more detailed analysis of focus group data, see Chapter Seven of Community Visions for the Paducah Gaseous Diffusion Plant at www.paducahvision.com.







Acknowledgements

- Citizens of McCracken and Ballard Counties
- University of Kentucky SRP Research Translation Core
- Kentucky Research Consortium for Energy & the Environment
- Kentucky Water Resources Research Institute
- Kentucky Transportation Center
- Local and State Government Agencies and Staff
- Chike Anyaegbunam, Ph.D., Chas Hartman, Ph.D., Jason Martin, Ph.D., & Mitchael Schwartz, M.A.
- The project described was supported in part by grant number P42 ES007380 from the National Institute of Environmental Health Sciences, NIH and by grant number DE/FG05-030R23032 from the United States Department of Energy. Its contents are solely the responsibility of the authors and do not necessarily represent the official views of the NIEHS, NIH or USDOE.