



Portfolio Risk Management Analysis

Perspective // Vision // Solution

 **NewFields**





Ending Environmental Liability Churn

OVERVIEW

MAP TO CLOSURE

DECISION CONSEQUENCE ANALYSIS (DCA)

PERSONNEL

NewFields' Portfolio Risk Management Analysis identifies the possibilities for stopping endless churn and actually closing remediation projects. When environmental remediation projects create as much, or more, environmental burden than they eliminate, it is time to stop.

NewFields liability risk management analysis incorporates receptor point of compliance closure criteria, net environmental benefits, sustainable land management, and skilled communication to address socio-political constraints.

Our approach to problem solving combines engineering and practical experience, advanced analytics, knowledge management, decision theory, and cognitive science. These skills are applied to identify a practical path to closure, explain and create trust on the part of stakeholders, and implement holistic business risk control.

MAP TO CLOSURE

Obstacles along the Path

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For decades NewFields' senior practitioners have observed the challenges their clients encounter when managing large environmental portfolios. Some of these include:

- Internal Cognitive Bias – This is the way it's always been done!
- Procrastination – Current treatment is working, what's the rush?
- Unexpected Surprises – Why open that can of worms?

NewFields offers a fresh set of eyes and a suite of services to support client decision-making in liability management:

- Portfolio Risk Management Analysis
- Performance-Based Contract Crafting
- Decision-Based Partnering
- Decision Consequence Analysis

"The NewFields team was fantastic. Before NewFields, the scope was out of control, the science was bad, and we were wasting lots of money. NewFields provided clarity of thought, strategic analysis, creative solutions and technical excellence. In addition, you developed a report and created a bond of trust with [the agency]. Thank you."

Robert C Lockemer
Director, Remediation & Real Estate
Bayer Crop Science

Decision Consequence Analysis (DCA)



Decision Consequence Analysis (DCA) is the framework for implementation of Portfolio Analysis. DCA creates structure out of the chaos that arises from multi-discipline dilemmas buffeted by conflicting objectives and/or beliefs. This structure must be molded out of the confusion of regulations, data, and objectives. The confusion is often exacerbated by fear of the unknown or resistance to change. NewFields' practitioners provide the antidote to chaos and confusion and DCA offers insight into your decision alternatives to help you understand and find the pathways to success as well as the tools to explain to stakeholders.

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The discipline of DCA creates a structure for defining the relationship between objectives, uncertainties, costs, and benefits. Together we master these complexities, sort the way through them, and select the path to your business success. DCA consists of 3 primary phases:

① Structuring Phase

- Define Decision Makers (DCA Team)
- Define Problem/Decision
- Develop Universal Agreement of Current Environment
- Determine Decision Triggers

② Evaluation Phase

- Brainstorm Objectives and Performance Metrics
- Brainstorm Alternatives
- Calculate Consequences and Trade-offs
- Develop Decision Trees
- List Uncertainties/Address Data Gaps

③ Agreement Phase

- Implementation
- Partnering

"In conclusion, the DCA process that NewFields performed has exceeded my expectation and I consider it to be a success story worth advertising. I would highly recommend this process to other facilities and restoration partnering teams that need to reach consensus on complex and challenging problems in a timely fashion."

David Scaturo, P.E., P.G.
Manager Corrective Action Engineering
Section Division of Waste Management
S.C. Department of Health and
Environmental Control

Personnel

If you would like to know more about Portfolio Analysis or Decision Consequence Analysis, or any of NewFields services, please contact your local NewFields' representative below.



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Since 1995 we have been providing businesses with practical and tactical expertise. We collect, research, refine and provide the actionable intelligence needed to resolve your complex business needs.

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ABOUT NEWFIELDS

NewFields is an environmental, engineering, and construction management consulting firm. We provide access to a global network of recognized experts and professionals who work together to resolve our clients' complex business needs. Our talented staff is a diverse group of accomplished individuals, most of whom are senior level engineers, scientists, and specialists, who offer our client base both practical and strategic solutions. We look forward to helping you achieve success and sustainability in a rapidly changing, interconnected world.



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