

Spill Response Plans

Kevin Erb

University of Wisconsin-Extension

Why create a spill response plan?

- Keep a small problem from becoming a large problem
 - Assurance that if you're not reachable, employees know what to do.
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Photo: Kevin Erb, UWEX

Why create a spill response plan?

- Reduce your pollution, general business insurance premiums
 - WI Septage/Municipal biosolids applicators already receiving discounts of 10-50% on pollution policies and 25% on all business (except Workmans Comp)
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Goal:

Accidents happen: Minimize Impact



Photos: Kevin Erb, UWEX, Iowa DNR

Spill Response Plan

- **Must cover a multitude of possibilities**
 - **Can be simple or complex**
 - **Written steps that you *or* someone not familiar with the operation could follow**
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What is a Spill Response Plan?

- Step by step guide to dealing with spill
 - Resources to respond
 - What do I need?
 - Where can I get it quick?
 - Who do I call?
 - Documentation Requirements
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Spill Response Plan

- **What types of problems can occur?**
 - **Limited volume**
 - Tanker tipover, hose breach, transfer pipe
 - **Large volume**
 - Field Runoff (rain, snowmelt)
 - **“Move to Montana” volume**
 - Catastrophic storage breach
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What do you need to know

- Think about the 3 C' s:
 - Control
 - Contain
 - Cleanup
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3 C's

Control: Stop the flow

Contain: Keep it from leaving site

Cleanup: Restore site to proper condition

Control-storage problem

- **Stop the flow**

- Is there a valve or pump switch?
- Flip breaker if pump problem

Plan should detail where these are

Control - Transport

- **Stop the flow**
 - **Keep more from leaving tanker/hose**
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Control



Contain

- **Prevent off-site movement- Road ditch**
 - **What can I use for a dam?**
 - **Straw, waste feed, sawdust**
 - **Payloader, skidsteer, manure spreader**

Plan should detail SOURCES and CONTACTS

Contain

- **Prevent off site movement—Field Runoff**
 - What can I use to roughen soil surface?
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Contain



Photo: Kevin Erb, UWEX

Contain



Photo: Nick Schneider, UWEX

Containment with Tillage



Photo: Kevin Erb, UWEX

Contain

- **Surface water**

- **Where will it flow to?**

- **Maps showing local roads, drainage patterns**

- **Where to dam first?**

- **Downstream, upstream, downstream?**

Good idea to have a map of the application fields with road names

Contain

- **Ground water**

- **Where will it flow to?**

- **Are their tile inlets, thin soils, or exposed bedrock?**

- **What about downslope fields?**

**Spreading plan should have a map of the
with these areas noted**

How would you respond?

- View map on next slides
- What do you notice about
 - Drainage patterns
 - Potential sites for temporary dams?

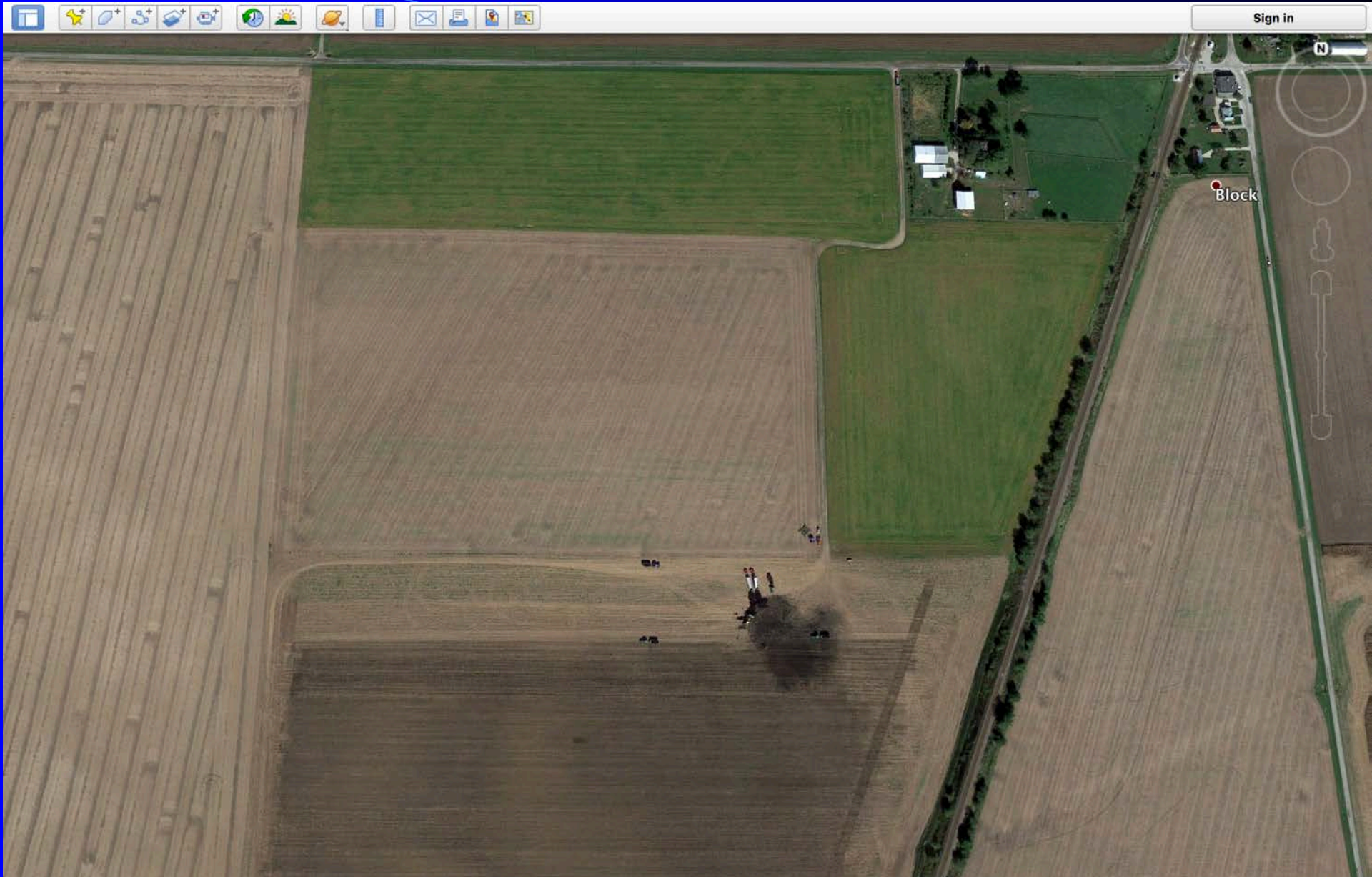


Photo: Google Earth





Photo: USDA NRCS

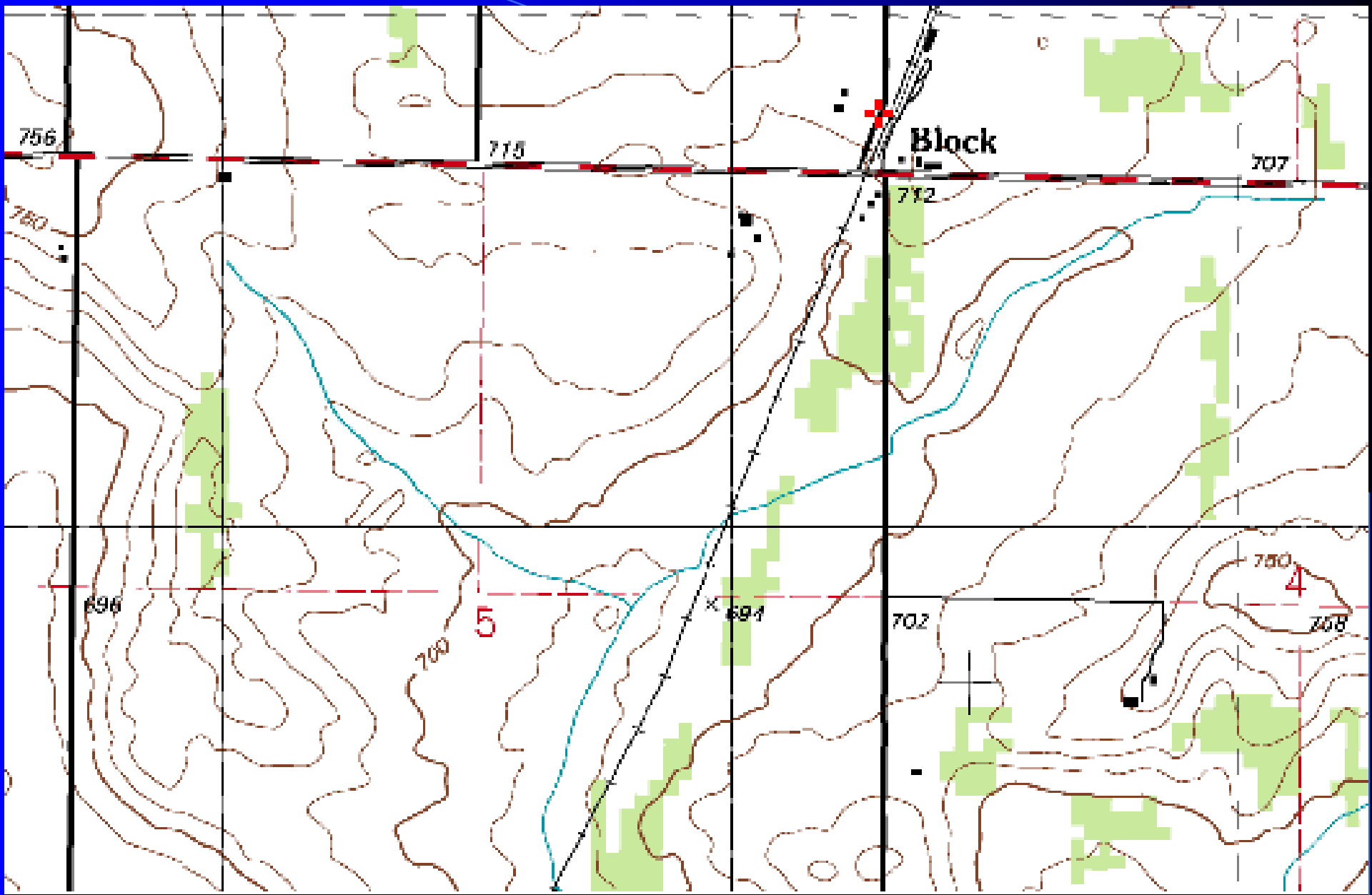




Photo: USDA NRCS

30 second scenario

- A truck tipped over
- If you are on the receiving end of the phone call, what questions do you need to ask?

Cleanup

- Land apply septage at normal rates
 - Follow guidelines in nutrient management plan and DNR Regulations
 - Follow setbacks to prevent a secondary problem
 - Where do you go in the when a field is not available

Plan should have a list of other nearby approved storages



Photo: Jerry Clark, UWEX

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Cleanup



Photo: Kevin Erb, UWEX

Cleanup

- **Restore to prior condition**
 - **Field**
 - Tillage or re-seed
 - **Road ditch**
 - Re-seed, control erosion
 - **Stream**
 - DNR will determine restitution
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Summary

- **Written plan should be easy to follow**
 - **Written plan should be in an easy-to-find location**
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Questions?

Kevin Erb

Kevin.Erb@uwex.edu
