



# CLUBROOT MANAGEMENT SYSTEM EQUIPMENT CLEANING / DECONTAMINATION

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## **International Clubroot Workshop**

Delta Edmonton South, Edmonton, AB

June 21, 2013

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Edmonton, Alberta

**[www.swiftenv.com](http://www.swiftenv.com)**

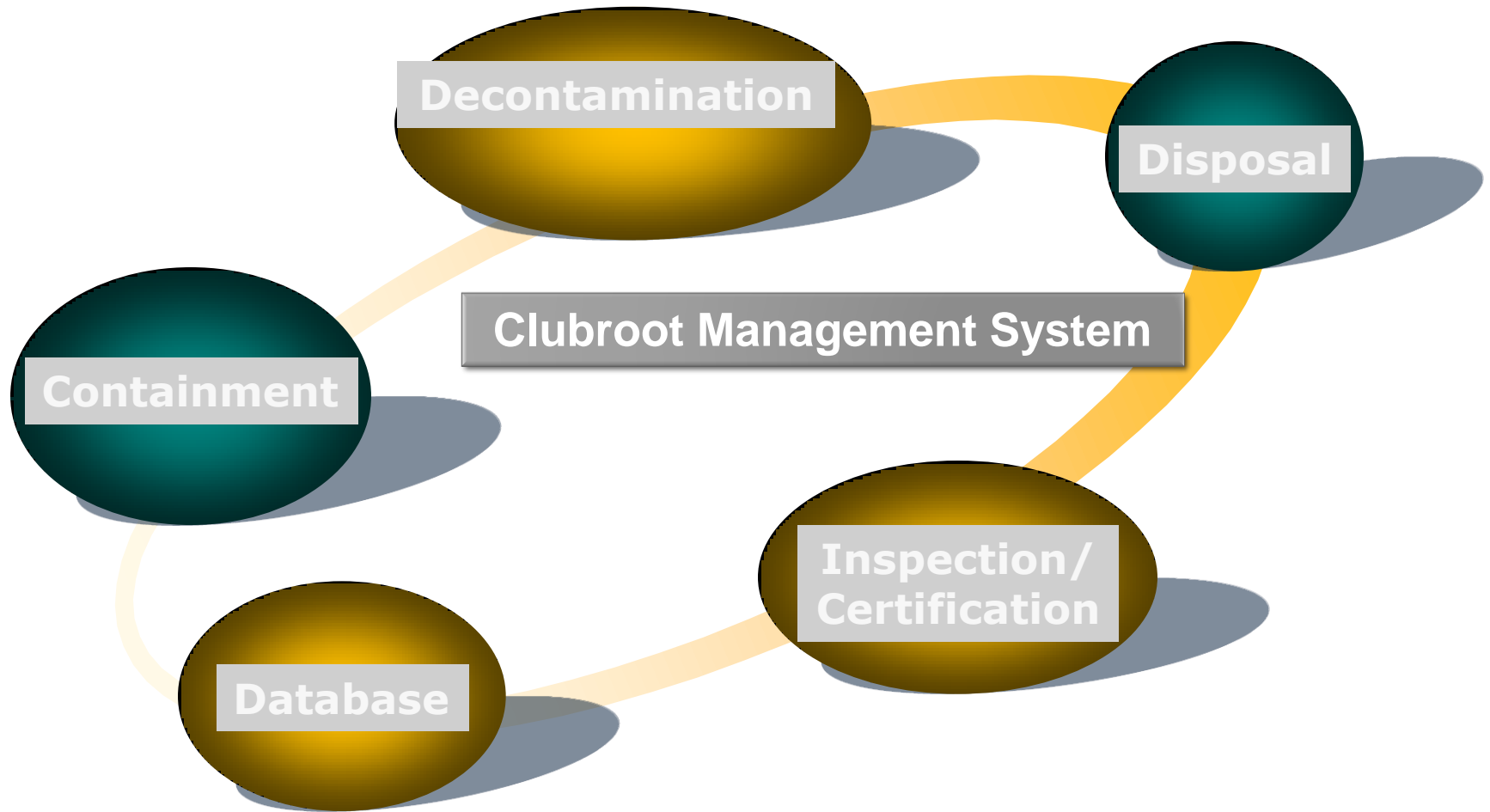
# Swift

In 2008, Swift developed a high level equipment cleaning/ decontamination program due to stringent access conditions imposed on our client from a landowner.

## Required program components

- Define risk & outline cleaning levels ( High/Med/Low)
- Stringent cleaning protocols and techniques
- Inspection protocols
- Certification documentation (acknowledges equipment has been properly cleaned prior to moving on/off the project site)
- Data base ( records)
- Sample collection procedures
- Training

# Important Elements





# Certificate of Authorization

*Your Company*

Is an authorized applicator of

Swift's Clubroot Management System

*Sean Hannigan, President*

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Industry: What's happening?

Various Stakeholders



# Licensee (project owner)

- Prevention awareness increasing ( Very Positive)
- Some require all Equipment / Vehicles to be cleaned prior to mobilization to their project site
- Monitoring efforts increasing
- In some cases, the Licensee is organising all decontamination efforts
- Cleaning levels are determined by risk assessment (High/Med/Low) site specific
- Most Licensee's have adopted stringent Environmental Protection Plans (EPP) as their corporate mandate
- Some Licensee's target earning a higher level social license, to go beyond compliance







# Contractors

- Prevention awareness increasing ( Very Positive)
- Some contractors implement their own equipment cleaning policies as a corporate strategy regardless of their client's requirements.
- Some contractors are resistant to the cleaning programs and view as a waste of time and money.
- Most contractors are accepting of their client's cleaning requirements.
- All contractors require documented proof of cleaning.
- Some contractor strategies involve dedicating site specific equipment which stays on site. - Decreases cleaning frequencies.
- Greatest challenge: Trucks Due to constantly moving from location to location, difficult to track. Often off- highway. - Numerous cleanings.



# Landowners

- Prevention awareness increasing ( Very Positive)
- Implementing Bio Security program
- Increasing requirements for access to their property
- Some landowners want to inspect cleaning (Liability)







# Regulators (Alberta)

- Promoting Bio-Security Programs

Currently Exploring:

- Standardization of Cleaning Protocols
- Standardization of Training & Certification













# Industry feedback

## FAQ's:

- How clean is clean?
- How much does this process cost?
- What happens if we don't wash?
- How long does it take to clean?
- How will our clients know that this was done properly?
- Can we inspect it ourselves?
- Does everyone have to clean the same way?
- Do we need to clean every time we leave the site?
- Can we inspect it ourselves?

# Challenges

- Much confusion regarding extent of cleaning required and relative effectiveness of current cleaning protocols
- Practicality of cleaning for projects. How to be effective and keep costs down?
- Disposal of infested liquids and solids
- Education
- How to deliver training?
  
- How do we all get on the same page?

# Establish Standards for Bio Security Sanitization

- Ensures all stakeholders are operating with same practices
- Would this be effective in preventing cross border contamination?

# Future

- We can look forward to increased awareness and participation
- Equipment cleaning could be monitored and tracked to ensure BioSecurity measures are adhered to.

Example:

- Auction houses, equipment dealers, contractors, etc. could be required to produce cleaning/inspection certificates for all equipment prior to moving equipment to site.-As a condition of purchase?



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