

Efficiency of an Online Chain of Custody Service



Environmental Measurement Symposium ~ 2014 Promium
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Chief Executive Officer



Accurate. Efficient. Reliable.

Dynamic data instead of PDF forms and static images



Amazing technological advances





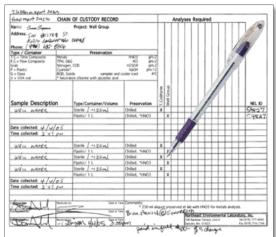
CoC Evolution



1970s



40 Years Later



Problems with paper CoCs

- 1. Double entry of data
- 2. Transcription errors
- 3. Confusing & hard to read

Undermines the integrity of chain of custody



The costs are sometimes

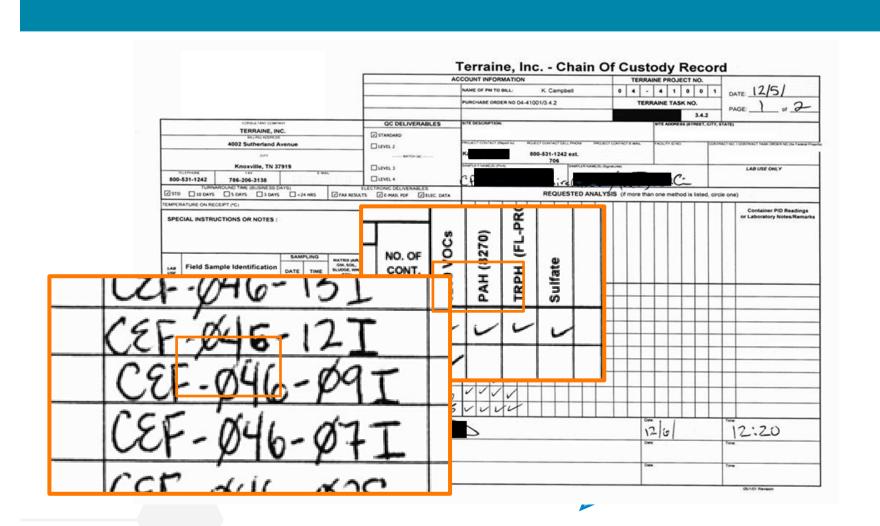
15-20 minutes 20-45 minutes for every CoC? for every CoC?

per paper CoC?

...for thousands of CoCs every year



Example of an expensive mistake



The Result



Comments: 01/04/ Revised Report to change sample ID's as follows:

CEF-046-121 to CEF-046-12I

CEF-046-5I to CEF-046-05I

CEF-046-6D to CEF-046-06D

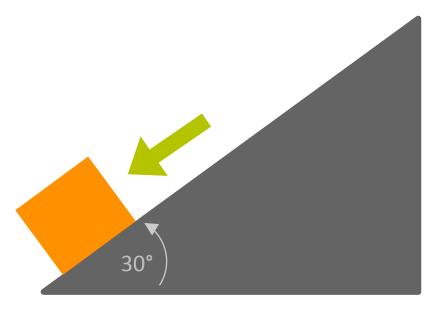
Also, at client request only BTEX/MTBE reported instead of full 8260.

An executed copy of the chain of custody, the project quality control data to this report. If you have any questions relating to this analytical report.

...transcription errors cost time & money



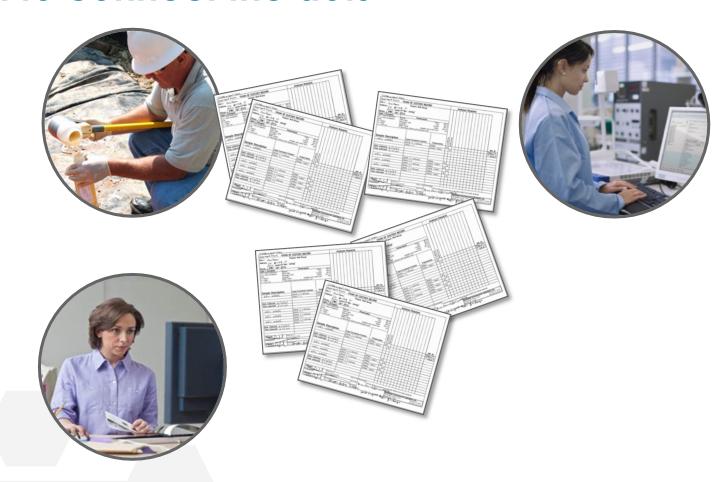
The Barrier of Inertia



$$T = \sum_{i=1}^N rac{1}{2} \, m_i \mathbf{v}_i \cdot \mathbf{v}_i = \sum_{i=1}^N rac{1}{2} \, m_i (\omega r_i)^2$$

Why has that approach persisted?

Hard to connect the dots



Why has that approach persisted?



EnviroChain®



PROMIUM

Automate the process

EnviroChain®

Platforms

Mobile (Android and IOS)
 and web apps

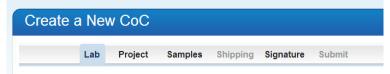


Data management

- Upload CoC data into the LIMS
- Upload photos and GIS data
- Preview incoming lab workload



Workflow



- Intuitive linear step-by-step workflow
- Pre-entered analysis methods from laboratories
- Use of previous CoCs to create new ones

Driving improvement

EnviroChain®

Reduce cost and increase efficiency and quality

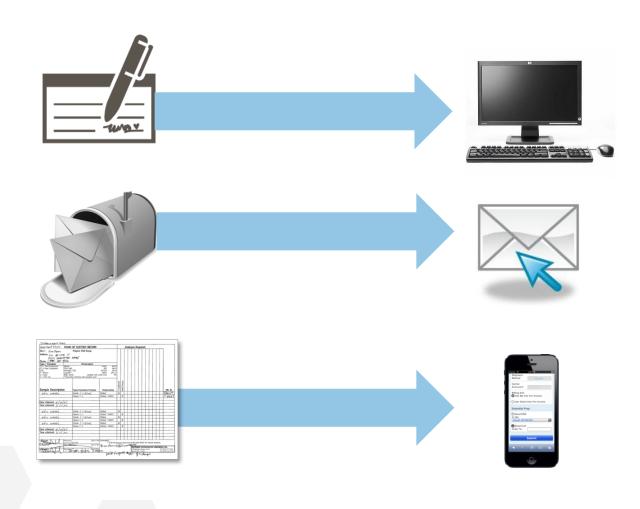
- Eliminate paper
- Reduce manual data entry
- Reduce opportunity for transcription error
- Enter once, use everywhere

Eliminate confusion, error, and delay.





EnviroChain®





THANK YOU