

A photograph of a modern pedestrian bridge with yellow railings and blue flooring, set against a backdrop of city buildings. The bridge is a wide, flat walkway with a blue surface and yellow metal railings on both sides. The railings have a distinctive curved, slatted design. In the background, there are several multi-story buildings, some with classical architectural features like arched windows and others with more modern glass facades. The sky is clear and blue.

# Creating a digital bridge with your clients

David Riese  
Director of Public Sector, Promium

Improving the customer experience.

*"We want what we want,*

*and we want it now"*

Accelerating the flow

--Anonymous  
of information.





- Eliminate paper CoCs
- Speed up the process
- Eliminate data entry

What does that look like in a laboratory?



- Updates when wanted
- Save project manager time

- # Deployment alternatives
- Eliminate paper COCs
  - Speed up the process
  - Eliminate data entry

Hosted Web

Online sample submission

Project status and results

Client

Lab Web Server

LIMS

- Updates when wanted
- Save project manager time

Deployment  
alternatives

Configuration  
equipment  
Control

What kind of

Hosted Web Server

features do we  
need?



Client



LIMS



# Online sample submission

- Sample scheduling
  - Review of incoming work
  - Dynamic field data
  - Pre-loaded information
  - Copy existing submission
- What kind of features do we need?**

# Online ~~sample~~ submission

- ## How do we implement?
- Simple real time updates
  - Reports of interesting work
  - Exportable data reports
  - Access to history
  - Support for anonymity



# Areas of focus

- LIMS Capability
  - LIMS Configuration
  - Data entry
  - Security
  - IT
  - Time
- ## How do we implement?

# Deployment factors

- Inertia
  - Personal touch with PM
  - security concerns
- ## How do we convince our clients to go online?

# Online sample submission

YOUR LABORATORY

LOGO

PROJECT STATUS AND REPORTS

PRŌMIUM | EnviroChain EA

Sample Submission: Agate Remediation--Monthly

?

Submission Data

Other Data

Facility

Secondary Facility ▾

COC number

A7311958

Tracking number

121998

SDG ID

Shipped via

↺

Courier ▾

TAT

10

☒

☐

# Online sample submission

YOUR LABORATORY

LOGO

PROJECT STATUS AND REPORTS

PRŌMIUM | EnviroChain EA

Sample Submission: Agate Remediation--Monthly

?

Sample Data

Location/Well

Other Data

Field Data

Analyses

Containers

Sample name

North End

Alias

Reg ID

Sampled

07/13/2016 10:42

Sample began

07/13/2016 10:42

Time zone

(GMT-08:00) Pacific Time (US & Canada)

Sample type

Grab

Sampled by

Plant Personnel

Matrix

Water

Client matrix

Water

Comments

☒

☐

# Online sample submission

YOUR LABORATORY

LOGO

PROJECT STATUS AND REPORTS

PRŌMIUM | EnviroChain EA

Sample Submission: Agate Remediation--Monthly

?

Sample Data	Location/Well	Other Data	Field Data	Analyses	Containers
Depth units	Feet	Well depth			
Begin depth		End depth			
Latitude	43.1239	Longitude	-89.3764		
Elevation					
Casing height		Casing diameter			
Casing type		Gradient			

☒ ☐



# Online sample submission

YOUR LABORATORY

LOGO

PROJECT STATUS AND REPORTS

PRÖMIUM | EnviroChain EA

Sample Submission: Agate Remediation--Monthly

?

Sample Data

Location/Well

Other Data

Field Data

Analyses

Containers

pH

6

Flow (g/min)

22

Residual chlorine (mg/l)

0.5

Turbidity (ntu)

20

Temperature (C)

25

Conductivity (umho)

Dissolved oxygen (mg/l)

Total chlorine (mg/l)

2

Forecast:

☒

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# Online sample submission

YOUR LABORATORY

LOGO

PROJECT STATUS AND REPORTS

PRÖMIUM | EnviroChain EA

Sample Submission: Agate Remediation--Monthly

?

Sample Data

Location/Well

Other Data

Field Data

Analyses

Containers

Analysis

TAT

Comments

☐ Mark all

☐ Al (Aluminum) - 200.7 - Total

☐ Fe (Iron) - 200.7 - Total

☒ Flow

☐ Mn (Manganese) - 200.7 - Total

☐ Solids, Total Suspended (TSS)

☒ VOA 8260

10

10

10

10

10

10

☒

☒

☐

# Online sample submission

YOUR LABORATORY

LOGO

PROJECT STATUS AND REPORTS

PRÖMIUM | EnviroChain EA

?

Sample Submission: Agate Remediation--Monthly

Sample Data

Location/Well

Other Data

Field Data

Analyses

Containers

VOA Vial - 40mL (HCL) (2)

☒

☐

# Online sample submission



YOUR LABORATORY		PROJECT STATUS AND REPORTS								
#	Project	WOs	Documents	Analyses	Submissions	Number	Description	Location	Lab Manager	
1	GW Annual Event	4 ▶	🔍 ▼	5 ▼	3 ▲	DC-0003	GW Annual Event	Idaho	DBA456	EnviroChain EA ?
#	Key				Submitted Cancel Requested	Processed	WO #			
1	B093-LAW-518N				09/01/2014 09:32 09/02/2014 07:28					
2	A297-IBX-573Y				10/24/2013 08:49					
3	A256-KBZ-464I				09/13/2013 10:53	09/17/2013	1311701			








# Project Status and Reports

## Online sample submission

YOUR LABORATORY 

PROJECT STATUS AND REPORTS

# ▲	Project ▲	WOs ▼	Documents ▼	Analyses ▼	Submissions ▼	Number ▼	Description ▼	Location ▼	Lab Manager ▼
1	GW Annual Event	4 ▶	 ▼	5 ▼	3 ▲ 	DC-0003	GW Annual Event	Idaho	DBA456

#	Key				Submitted Cancel Requested	Processed	WO #
1	B093-LAW-518N				09/01/2014 09:32 09/02/2014 07:28		
2	A297-IBX-573Y				10/24/2013 08:49		
3	A256-KBZ-464I				09/13/2013 10:53	09/17/2013	1311701

5	Soil Testing	1 ▶		8 ▲			Mike Arnold
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### Analysis

Ag (Silver) - 6010 - TCLP

Ba (Barium) - 6010 - TCLP

Cd (Cadmium) - 6010 - TCLP

Cr (Chromium) - 6010 - TCLP

Hg (7470) TCLP

Pb (Lead) - 6010 - TCLP

RCRA Metals - TCLP



# Project Status and Reports

YOUR LABORATORY

LOGO

PROJECT STATUS AND REPORTS

Compliance Testing::Mary Stead

09/10/2014 11:04:34

PRŌMIUM | Element ClientConnect

Samples ▼ ▲ Results ▼ ▲ Flag/Regulatory Limits

Received in last 

30 days

60 days

90 days

All

Custom

Row filter  More Sludge Quarterly

<input type="checkbox"/>	WO #	Samples	Results	Documents	Status	Status Date	Received Date
<input type="checkbox"/>	P801004	2 ▼		▼	Reported	08/06/2011	01/08/2009
<input type="checkbox"/>	P804002	2 ▼	▼	▼	Reportable	06/06/2011	04/08/2009
	P807002	2 ▼		▼	Invoiced	01/09/2012	08/02/2009

5

Soil Testing

1 ▶

8 ▲

Mike Arnold

Analysis

Ag (Silver) - 6010 - TCLP

Ba (Barium) - 6010 - TCLP

Cd (Cadmium) - 6010 - TCLP

Cr (Chromium) - 6010 - TCLP

Hg (7470) TCLP

Pb (Lead) - 6010 - TCLP

RCRA Metals - TCLP

# Project Status and Reports

	WO #	Samples	Results	Documents	Status	Status Date	Received Date
	P801004	2 ▲		▼	Reported	08/06/2011	01/08/2009
	Sample	Matrix	Sampled	Received	Analysis	Status	Status Date
	01-Sludge 3	Soil (Sludge)	01/07/2008	01/01/1980	8270C Phenols	Reported	01/04/2013
					K Total ICP 6010	Batched	01/04/2013
					Solids, Dry Weight	Reported	08/06/2011
	02-Sludge 4	Soil (Sludge)	01/07/2008	01/01/1980	8270C Phenols	Reported	08/06/2011
					K Total ICP 6010	Batched	06/07/2011
					Solids, Dry Weight	Reported	08/06/2011

PRŌMIUM   Element ClientConnect
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Received Date
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	P801004	2 ▼		▼	Reported	08/06/2011	01/08/2009			
<input type="checkbox"/>	P804002	2 ▼	<input type="checkbox"/>	WO #	Samples	Results	Documents	Status	Status Date	
	P807002	2 ▼		P801004	2 ▼		▼	Reported	08/06/2011	
			<input type="checkbox"/>	P804002	2 ▼	▲	▼	Reportable	06/06/2011	
	Sample	Laboratory	Analysis	Matrix	Analyte	Units		Rep Limit	Result	Qualifiers
	01-Sludge 3	Promium	8270C Phenols	Soil (Sludge)	1,4-Dichlorobenzene	ug/kg dry			0.00	
	01-Sludge 3	Promium	8270C Phenols	Soil (Sludge)	2,3,4,5/2,3,4,6-Tetrachlorophenol	ug/kg dry			ND	
	01-Sludge 3	Promium	8270C Phenols	Soil (Sludge)	2,3,5,6-Tetrachlorophenol	ug/kg dry			ND	

# Project Status and Reports

WO #	Samples	Results	Documents	Status	Status Date	Received Date
P801004	2 ▲					

Sample	Matrix	Status
01-Sludge 3	Soil (Sludge)	01
02-Sludge 4	Soil (Sludge)	01

Standard CSV\*

- ☒ Wrk
- ☒ Client
- ☒ ClientInfo
  - ☐ ClientCode
  - ☒ Project
  - ☒ ProjectNumber
  - ☐ ProjectPONumber
  - ☐ ProjectManager
  - ☐ MasterProject
  - ☐ ClientType
  - ☐ ProjectType
  - ☐ ProjectLocation
  - ☐ Invoice
- ☒ InvoiceClientInfo

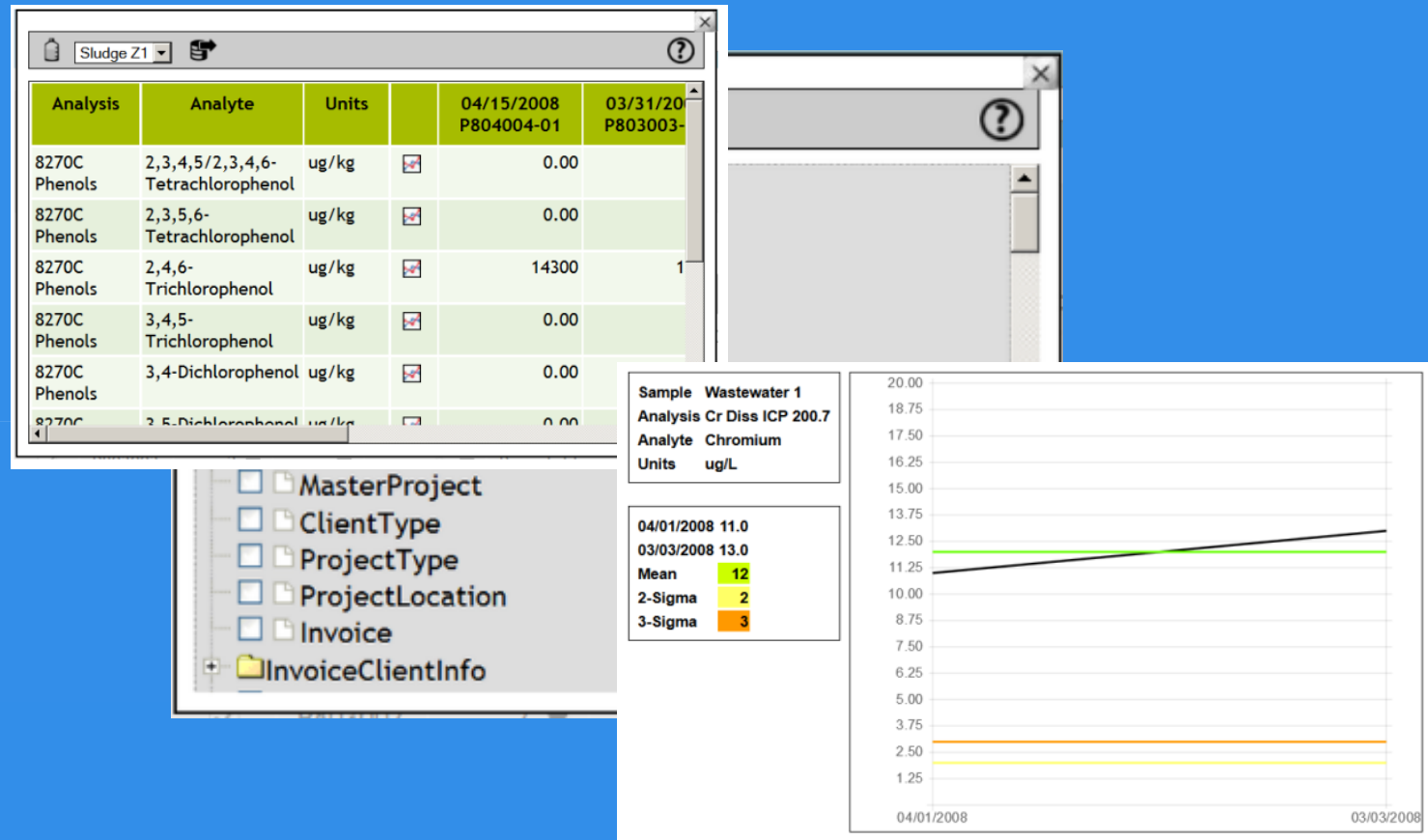
Status Date	
08/06/2011	
06/06/2011	

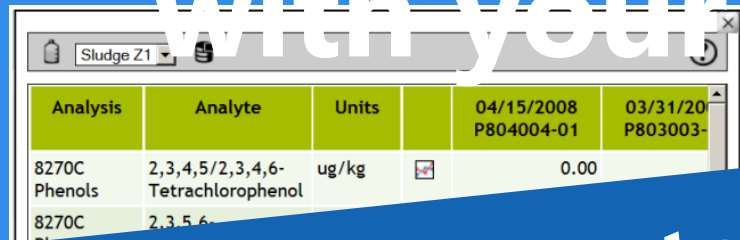
	Rep Limit	Result	Qualifiers
		0.00	
01-Sludge 3	Premium	8270C Phenols	Soil (Sludge)
01-Sludge 3	Premium	8270C Phenols	Soil (Sludge)

		Phenols	(Sludge)		ug/kg dry			
	01-Sludge 3	Premium	8270C Phenols	Soil (Sludge)	2,3,4,5/2,3,4,6-Tetrachlorophenol	ug/kg dry		ND
	01-Sludge 3	Premium	8270C Phenols	Soil (Sludge)	2,3,5,6-Tetrachlorophenol	ug/kg dry		ND

# Project Status and Reports

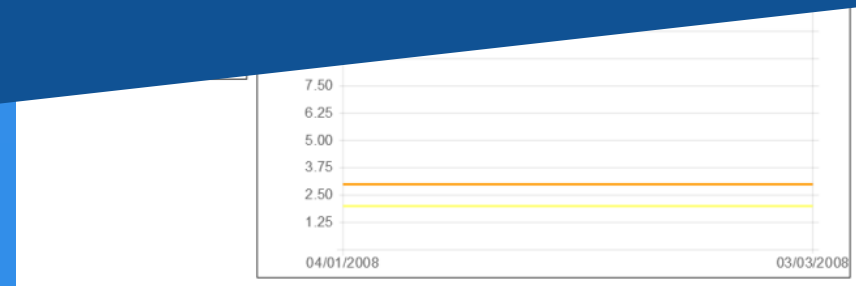


# Building a digital bridge Project status and reports with your clients



Analysis	Analyte	Units	04/15/2008 P804004-01	03/31/20 P803003-
8270C Phenols	2,3,4,5/2,3,4,6-Tetrachlorophenol	ug/kg	0.00	
8270C	2,3,5,6-			

Improving the customer experience.  
Accelerating the flow of information.





# QUESTIONS?

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