

eSMR Re-Design

PERMIT CODING
Task Order 1
Version 1.0

Request Date: December 5, 2007

Module:

- | | | |
|---|--|--|
| <input type="checkbox"/> General/Other | <input type="checkbox"/> Administration and Security | <input type="checkbox"/> Places |
| <input type="checkbox"/> Parties | <input type="checkbox"/> Regulatory Measures | <input type="checkbox"/> Inspections |
| <input type="checkbox"/> Allegations and Violations | <input type="checkbox"/> Enforcement | <input type="checkbox"/> Invoices and Payments |
| <input checked="" type="checkbox"/> Self Monitoring Reports | <input type="checkbox"/> Compliance Checks | <input type="checkbox"/> GeoWBS |

Description:

These functions allow coding of an adopted permit into electronic requirements into CIWQS. CIWQS currently has this functionality but it was not implemented with correct functionality. Currently, there are missing drop-down values, poor work flow, and missing functionality. These inconsistencies are not allowing the dischargers to submit their Self-Monitoring Reports electronically.

Level of Effort Estimate:

Hours	Rate	Total Hours	Total Estimated Cost
TBD	TBD	TBD	TBD

- | | |
|--|------------|
| | Date |
| <input checked="" type="checkbox"/> Approved by CIWQS Executive Team | 11/16/2007 |
| <input type="checkbox"/> Approved Requirements | _____ |
| <input type="checkbox"/> Approved Design | _____ |
| <input type="checkbox"/> Approved Technical Approach | _____ |
| <input type="checkbox"/> Tested and Approved Test Environment Implementation | _____ |
| <input type="checkbox"/> Tested and Approved Production Environment Implementation | _____ |
| <input type="checkbox"/> Task Order Complete | _____ |

Change Record

Date	Author	Version	Change Reference
12/11/2007	Ron Robinette	1.0	No previous document.

Task Order 1 Signoff Page

Requirements Complete (Case Worker/Discharger/DIT)

Date

(Case Worker)

(Discharger)

(Technical) Amy Tong

Design Complete (Case Worker/Discharger/DIT)

Date

(Case Worker)

(Discharger)

(Technical) Amy Tong

Technical Approach Approved (DIT)

Date

Amy Tong

Test Environment Implementation Tested and Approved (DIT)

Date

(Case Worker)

(Discharger)

(Technical) Amy Tong

Production Environment Implementation Tested and Approved (Case Worker/Discharger/DIT)

Date

(Case Worker)

(Discharger)

(Technical) Amy Tong

Task Order Complete (Case Worker/Discharger/DIT)

Date

(Case Worker)

(Discharger)

(Technical) Amy Tong

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Current Functionality:

Business Requirements (Desired Functionality):

The following major business functional requirements have been identified during the information collection associated with this task order. The columns are defined as follows:

- Requirement type:
 - Functional: A capability the application must be able to perform
 - Report/Query: The ability to produce a formatted electronic and/or hard copy report or an online query of the information
 - Interface: The ability to communicate with another application or system
 - Security: A system feature that contributes to securing the application as required by SWRCB security policy
 - Architecture: An attribute of the technical architecture, platform, and/or development tool set must be complied with
 - Implementation: An aspect of the implementation process that must be completed
- Functional area – This column describes the portion of the eSMR process that is the focus of the requirement. “General” refers to requirements that apply to the program as a whole or are not applied to a particular area.
- Requirement – This column provides a narrative description of each requirement
- Source – This column notes where the information that led to the requirement was captured

Requirement Type	Functional Area	Requirement	Source
Functional	Add Narrative Requirement	Chlorine does not allow proper narrative requirements. [ADD DETAIL] Why?	eSMR User Group
Functional	Add Numeric Requirement	Coding should allow requirements for correct monitoring months as defined in adopted permit. [ADD DETAIL] How?	eSMR User Group
Functional	Add Numeric Requirement	Allow exceptions for flow reporting for specific monitoring locations.	eSMR User Group
Functional	Add Numeric Requirement	Addition of missing sample types: Integrative High Volume Water Sample [ADD DETAIL] Is this the only one missing?	eSMR User Group
Functional	Add Numeric Requirement	Addition of missing parameters: Surfactants, NID; Cyanide; chromium III parameter code should be PCS code 4262 instead of 1033, and the chromium VI parameter code should be 78247 instead of 1032; PCBs (break out individually); Halomethanes (break out individually).	eSMR User Group

Requirement Type	Functional Area	Requirement	Source
Functional	Add Numeric Requirement	Ability to deal with intermittent discharge. Choose what days discharge occurs.	eSMR User Group
		Submission to different regional boards. Discharge point shared between plants.	
Functional	Add Numeric Requirement	Addition of missing reporting frequencies: allow permanent off-set for receiving water monitoring from weekly to monthly [ADD DETAIL] Which ones are missing?	eSMR User Group
Implementation	Add Numeric Requirement	Amendment of existing coded permit.	eSMR User Group
Functional	Add Numeric Requirement	Turbidity does not allow reporting to match permit. [ADD DETAIL] Trying to code numeric when should have be narrative.	eSMR User Group
Functional	Monitoring Locations	Create unique monitoring locations related to each permit.	Existing System
Implementation	Requirements	Work In-Progress environment for Case Worker and Discharger to work out permit coding issues before submitting eSMR. Use testing and training environment. Test submissions are not overwritten.	eSMR User Group
Report/Query	Requirements	Change layout of requirements screen to break out: PCS Code, Parameter name, Sampling Frequency, Report Frequency, Influent parameters on top, all column sortable. Export.	eSMR User Group
Functional	Set Reporting Schedules	Schedule monitoring report due dates to match adopted paper permit.	eSMR User Group

Technical Requirements:

1. The system must implement the correct data mapping and usage of EDM.
2. The system must make clear distinction between database objects and avoid creating unnecessary duplicate records.
3. The developers must work with the DIT data modelers and DBAs to develop any necessary changes to the EDM and CIWQS database to support SMR functionality.
4. Coding should not start until the technical approach is documented and approved by DIT.

Design:

To Be Determined.

Technical Approach:

To Be Determined.

This section should include:

1. Data Mapping
2. Data Maintenance Rules (page rules to insert, update, delete)
3. Data Structure Impact
4. Pages Modified
5. Design Mock up