



To: Distribution

From: Ernestine Bryant, STOrage and RETrieval (STORET), Technical Project Leader (TPL), Systems Development Center (SDC)/Science Applications International Corporation (SAIC)

Subject: Minutes of STORET Change Control Board (CCB) Meeting

1.0 Purpose

A CCB Meeting was held on September 15, 2003 at the SDC. The purpose of the meeting was to review and address the status of the STORET Project activities, resolve project issues, and ensure that changes are within the Task Order scope and are processed in a visible and traceable manner.

2.0 Attendees

SDC

Ernestine Bryant
Blythe Norris
Joseph Wilson

EPA

Robert King, Task Order Project Officer (TOPO)
Lee Manning, Alternate TOPO (ATOPO)

3.0 Discussion Topics

The following sections detail the discussions of the project tasks and associated Software Incident Reports (SIRs).

3.1 Administrative

Expansions and modifications to the Business Rules document were appropriately revised and delivered. E. Bryant conducted a walkthrough of the deliverables (Attachment B). No further work is expected under tasks 19 and 22.

3.2 Central Database Update Software (CDUS)

The following decisions were made regarding the software release for CDUS v2.0:

- C Data associated with National Programs does not require special processing (e.g., suppression, conversion).
- C An Oracle 8.1.7 client is required for creating an export dump file. Instructions for correcting version incompatibilities will be documented in the *Operator Instructions Manual*.
- C Schema name independence only applies to the schemata included in the user dump file.
- C CDUS need not be UNIX compatible. Testing may be restricted to Windows NT v4.0 and Windows 2000 operating systems.
- C A script to view and change replication_flag settings will be sufficient to control submission of data to the Central Database. This script may also be used as a control to filter data for other CDUS purposes (e.g., remove data associated with referential integrity violations, clear existing data from Central Database).
- C The tables checked for orphaned records will be limited to those used for the Central Warehouse Extract, Transfer and Load (ETL) processing.

3.3 Central Warehouse

The following decisions were made concerning the C2.0 release of the Central Warehouse:

- C Portable Data Logger data will be added to the Regular Result table. A new column will be added to this table to house the line number and line name of Portable Data Logger results. The Portable Data Logger report element will be added after Characteristic Name in the Regular Result Report.
- C Station Geopositioning Method and Horizontal Datum should not be included in the Result Fact tables.
- C The file extension for reports should be “.txt”.
- C Station reports should be limited to 40,000 Stations. Reports larger than 40,000 Stations should produce a message telling the user to refine the query.

- C The maximum number of Characteristics that can be searched at one time will be changed to 50, and the text “Select up to 50 Characteristics” will be added to the top of the characteristic search section of all selection criteria pages.
- C The text “Find Stations with at least one reported value of the selected Characteristics” will be added to the top of the characteristic search section of the Station selection criteria page.
- C The report field EPA_REGISTRY_NUM will be populated with Characteristic Alias values where type_name is equal to “EPA ID (SUBSTANCE REGISTRY)”.
- C The Environmental Protection Agency (EPA) standard web template will be applied to the Central Warehouse Help page.

Binary Large Object (BLOB) retrieval over the web, and the automated compression of report file downloads will be the two areas of immediate focus after the release of C2.0. Universal Result Unit (URU) analysis will be revisited, and long-term data warehouse maintenance and performance tuning strategies explored.

3.4 STORET/Windows to My Environment (WME) Interaction

The following is a summary of the decisions made during the design discussions and demonstrations.

WME Map Page:

- C WME, the identified portal, is not currently using a web service. For now, Extensible Mark-up Language (XML) data streams will be used.
- C The WME Map Page should only retrieve STORET Stations with Result data (i.e., Stations with Visits).
- C The list of retrieved STORET stations shown on the WME Map Page should display the Organization ID, Station ID, and Station Name. The Organization ID will be the first item in the parentheses.
- C Sort the list of retrieved STORET Stations by Organization ID, then Station ID.

STORET Station Home Page:

- C Develop a STORET Station Home Page that will appear when a user selects a single STORET station from the WME Map Page.
- C The STORET Station Home Page should allow for direct input of Station ID and Organization ID.
- C Use STORET v2.0 Central Warehouse tables.
- C If the Station is an Ocean, Estuary, or Great Lake, include an additional line at the end of the Station Information to display Ocean Name, Primary Estuary Name/Secondary Estuary Name, or Great Lake Name.
- C The Data Warehouse contains rows where the Elevation measure/unit is blank, and the Elevation Datum is populated. L. Manning believes this is probably caused from data loaded outside the Data Entry Module. If "fa_station.elevation" is blank, then do not show Elevation or Datum. Never hide the row, even if no data is present.
- C Show all returned characteristics in the bar chart.
- C Use EPA approved XML tags. Create an Oracle database view that uses XML tag names. For tags that have not yet been approved, the Project Team will follow EPA standard naming conventions. STORET Station XML tags were given to Dave Wolf, Task Order 13 ATOPO, on August 27, 2003, for his review.
- C The hyperlink on the Characteristic display name will flow to the corresponding "Results by Station" (i.e., Regular, Habitat, Biological) STORET v2.0 Central Warehouse page. The "Results by Station" page should receive the Organization, Station, and Characteristic as input, and display this information in the associated list box by default. Subsequent actions made by the user will be handled by the STORET v2.0 Central Warehouse system.

The STORET Station Home Page and WME Map Page may be seen in Attachment A.

4.0 Action Item Summary

Number	Description	Date Issued	Status	Assignment	Date Completed
02-0020	Determine order of Station Types.	11/20/2002	Closed	B. King	07/11/2003
02-0021	Research the possibility of an 8-character Beach ID.	12/12/2002	Closed	B. King	02/27/2003
03-0001	Add Citation IDs to the Data Entry Application v2.0 DEMOTEST.	02/27/2003	Closed	B. King	03/06/2003
03-0002	Send PDF of Server Model to B. King	02/27/2003	Closed	B. Norris	03/06/2003
03-0003	Provide sample batch files containing new functionality to B. King.	02/27/2003	Closed	B. Norris	03/06/2003
03-0004	Verify number of characters in Total Number in Group field on Single Taxon Group Summary Data Entry Window (3 characters?).	03/19/2003	Closed	S. Smith	04/16/2003
03-0005	Load Central Warehouse at EPA.	04/16/2003	Closed	J. Wilson	04/22/2003
03-0006	Provide "no rows" export of Central Warehouse.	04/16/2003	Closed	J. Wilson	04/18/2003
03-0007	Develop Surface Water/Facility/Ground Water (SFG) Indicator assignment rules.	06/26/2003	Closed	B. King	07/11/2003
03-0008	Contact Leo Gueriguian regarding invitation letter distribution.	06/26/2003	Closed	S. Wenberg	07/11/2003
03-0009	Contact K. Christian about f_char_name function.	07/11/2003	Closed	S. Smith	09/15/2003
03-0010	Provide XML Tags to Dave Wolf.	08/27/2003	Closed	B. Norris	09/15/2003

5.0 Next Meeting

The next meeting was not scheduled.

6.0 Distribution

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7.0 Approval of Minutes as Submitted or Revised

 Robert E. King
 Task Order Project Officer

 Date

ATTACHMENT A

WME Map Page and STORET Station Home Page

WME Map Page:

U.S. Environmental Protection Agency
Window to My Environment

Contact Us | Online Help | Background
 EPA Home > Where You Live > Window to My Environment

Water Features

- Impaired water bodies
- Impaired streams
- Water Bodies
- Streams

Demographics

- Congressional Districts
- City boundary
- ZIP Codes
- Counties
- States
- Air monitors
- Water monitors

Food zones

- Special Flood Hazard Area
- Moderate Floo Hazard Area

STORET Monitors

- Surface Water
- Groundwater
- Others

Your Window | Your Environment

All features intersecting the map window will appear as part of the information contained in the fact sheet below.

Community (Town,State)	Beaver UT
County(s)	Beaver UT
Area of Window	6.5 sq mi
Width of Window	2.6 mi
Approx. population (2000)	2466 <=Statistics
Watershed(s)	Beaver Bottoms-Upper Beaver, Utah.
Congressional District (s)	01(UT)
Urban area	none
No. of facilities reporting to EPA	36 <=Click to view View by industry

USES Water Monitoring Sites:

- 1 (C-29-7)28eba-1
- 2 BEAVER RIVER AT BEAVER, UTAH
- 3 (C-29-7)20dcd-S1
- 4 (C-29-7)21codb-S1
- 5 (C-29-7)21cod-S1
- 6 (C-29-7)21cac-1

Address: http://141.156.28.143/wme_storet/mywindow.asp?requestTimeout=300&xl=112.670993&yt=38.294895&xr=112.622607&yb=38.258605

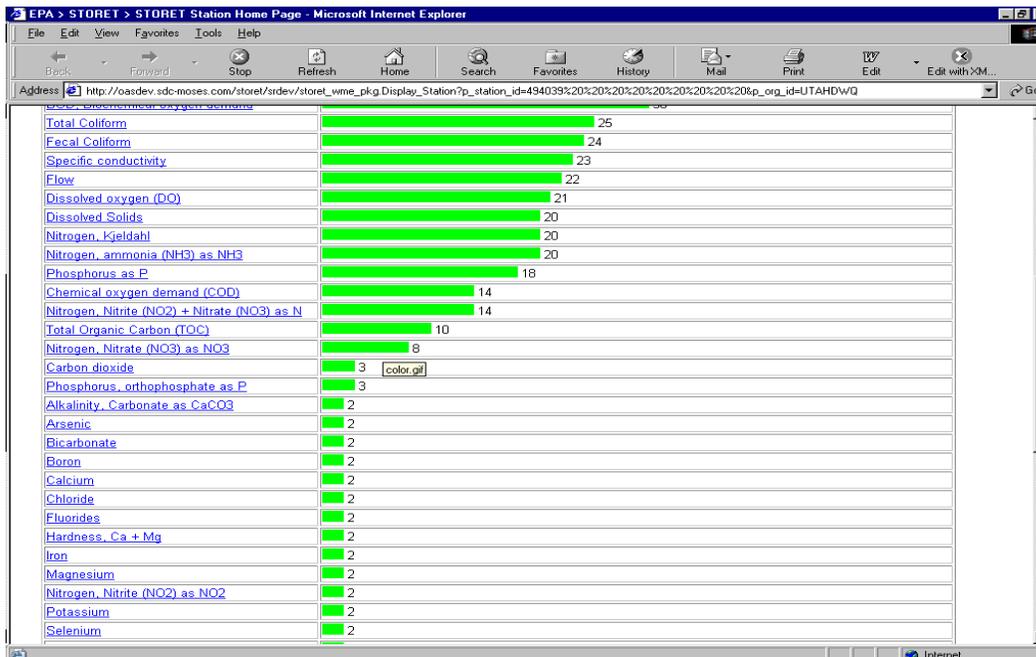
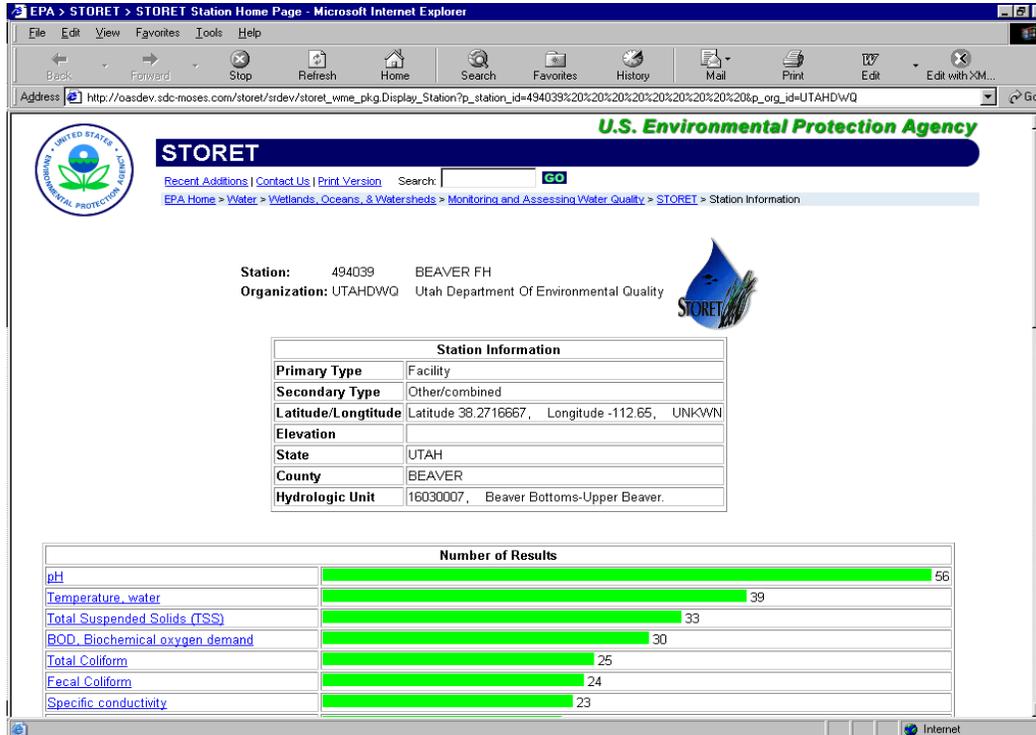
Total Number of STORET Stations in Window: 11

(1) BEAVER FH (494039 , UTAHDWQ , Facility)
(2) BIG SLOUGH ABOVE CNFL / BULBERRY SLOUGH (594032 , UTAHDWQ , River/Stream)
(3) FISH HATCHERY CK AB CNFL/ BEAVER R. (594035 , UTAHDWQ , River/Stream)
(4) BEAVER RIVER NEAR I 15 XING (594037 , UTAHDWQ , River/Stream)
(5) BEAVER R. AT 5TH E RD XING NR FLYING J RANCH (594039 , UTAHDWQ , River/Stream)
(6) SOUTH FIELD DITCH AT 6TH E RD XING NR FLYING J RANCH (594040 , UTAHDWQ , River/Stream)
(7) DITCH AB NURSERY/FARM COMPLEX (594055 , UTAHDWQ , River/Stream)
(8) BEAVER R @ US 91 XING (594056 , UTAHDWQ , River/Stream)
(9) DITCH NR 400W 825N (594059 , UTAHDWQ , River/Stream)
(10) DITCH NR 100W 650N (594060 , UTAHDWQ , River/Stream)
(11) BEAVER FISH HATCHERY SPRING (594069 , UTAHDWQ , Spring)

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Last updated on Wednesday, September 10, 2003
 URL: http://141.156.28.143/wme_storet/mywindow.asp

STORET Station Home Page:



The screenshot shows a Microsoft Internet Explorer browser window with the address bar displaying: http://oasdev.sdc-moses.com/storet/srdev/storet_wme_pkg.Display_Station?p_station_id=494039%20%20%20%20%20%20%20%20%20&p_org_id=UTAHDWQ

Silica	2
Sodium	2
Sulfate (SO4) as SO4	2
Turbidity	2
Barium	1
Cadmium	1
Chromium	1
Chromium, hexavalent	1
Copper	1
Lead	1
MBAS (detergents, surfactants)	1
Manganese	1
Mercury	1
Nickel	1
Silver	1
Zinc	1

Comments? If you have a question or comments on this website or on the STORET system, please call STORET User Assistance at 1-800-424-9067, or send us an email at STORET@epa.gov.

[Help](#)

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Last updated on Wednesday, September 24th, 2003
URL: http://oasdev.sdc-moses.com/storet/srdev/storet_wme_pkg.Display_Station

ATTACHMENT B

Deliverables

TASK	NO.	DELIVERABLE	DELIVERED ON
Task 16	16-5.1	Packing List (<i>draft</i>)	March 17, 2003
	16-5.2	Demonstration and Briefing of the Installation Package	January 16, 2003
	16-5.3	Packing List (<i>final</i>)	March 17, 2003
	16-5.4	STORET Version 2.0 Master on Compact Disc	February 13, 2003
	16-6.1	STORET Version 2.0 on Compact Disc	March 25, 2003
	16-7.1	Report of Required changes to Central Database Update Software	April 15, 2003
	16-7.2	Source Language form of Central Database Update Software	Due on September 15, 2003
	16-8.1	STORET Web Application (<i>beta</i>)	Not required
	16-8.2	STORET Web Application	August 4, 2003 Due on September 30, 2003
Task 17	17-1*	STORET Emergency Release (<i>beta</i>)	April 15, 2003
	17-2*	STORET Emergency Release	June 26, 2003 July 3, 2003 August 18, 2003
	17-3*	Installation Scripts and Installation Instructions	Packaged with 17-2
Task 19	19-1.1	Logical Data Model	Not required
	19-1.2	Physical Data Model	Not required
	19-2.1	Reports from JAD Sessions	July 10, 2003 Due on September 15, 2003
	19-2.2*	Functional Module (<i>beta</i>)	Not required
	19-2.3*	Functional Module	Not required
Task 20	20-1	Web Forms Design (<i>beta</i>)	December 11, 2002 December 23, 2002
	20-2	Web Forms Design	January 29, 2003 March 14, 2003
	20-3	Demonstration of Web functionality against a server copy of STORET	November 20, 2002 December 17, 2002 February 27, 2003
Task 21	21-1.1	Briefing Documentation	Not required
	21-1.2	Design Document (<i>draft</i>)	December 6, 2002

TASK	NO.	DELIVERABLE	DELIVERED ON
	21-1.3	Design Document	September 12, 2003
	21-2.1	Data Warehouse Installation Package	September 12, 2003
	21-3.1	ETL Software Package (<i>beta</i>)	November 7, 2002 December 11, 2002 December 20, 2002 April 2, 2003 May 20, 2003
	21-3.2	ETL Software Package and Associated Documentation	September 12, 2003
	21-4.1	STORET Warehouse Web Interface v2.0 (<i>beta</i>)	Packaged with 3.1
	21-4.2	STORET Warehouse Web Interface v2.0 and Associated Documentation	September 12, 2003
	21-5.1	STORET Warehouse Web Interface v2.0 Deployment Package (<i>beta</i>)	
	21-5.2	STORET Warehouse Web Interface v2.0 Deployment Package Demonstration	
	21-5.3	STORET Warehouse Web Interface v2.0 Deployment Package and Associated Documentation	
Task 22	22-1	Software Incident Report Log	Not required
	22-2	Work Plan and Cost Estimate	Not required
	22-3	Statement of Completion	Not required
Task 23	23-1	Database View (<i>beta</i>)	Not required
	23-2	Database View	
	23-3	Database Download Query (<i>beta</i>)	Not required
	23-4	Database Download Query	Not required
Task 24	24-1.1	Work plan and cost estimate	
	24-1.2	Cross-task order deliverables	
	24-2.1	Technical white paper and/or briefing	Ongoing
	24-3.1	Technical Assessment Briefing and Revised Action Plan	Ongoing
	24-3.2	Updates to Action Plan and supporting materials	Ongoing
Task 25	25-1.1	Alignment Assessments and associated documentation	

TASK	NO.	DELIVERABLE	DELIVERED ON
	25-2.1	Alignment Assessments and associated documentation	

