Steps to Select a Pathway to Submit State eBeaches 2008 Season Data

Regardless of which Option you select, you will also need:

a. an EPA CDX account ID (usually your email address) and password. For access to
eBEACHES, contact Bill Kramer; kramer.bill@epa.gov , 202-566-0385)
b. an EPA WQX eBEACHES organization ID, (e.g., 21NYBCH), contact the WQX help desk at
1-800-424-9067 or STORET@epa.gov .

Option 1 – Use State Node

1. Contact your State Node Administrator to determine what it would take to use your state Node
to submit eBEACHES data. For contact information for your State Node Administrator, see:
http://www.exchangenetwork.net/progress/index.htm   (in map, click on state)

2. If you decide to use the State Node, your Administrator will create a National Authentication
& Authorization System (NAAS) account. You will need to contact the EPA to have that account
associated with your CDX account, contact nodehelpdesk@csc.com 888-890-1995, option 2.

Option 2 – Use Node Client software

3. If you decide not to use the State node, you will still need an NAAS account and have it
associated with your CDX account to use a node client. Contact EPA to have that account
created and associated with your CDX account, contact nodehelpdesk@csc.com 888-890-1995,
option 2.

4. Review Appendix A for instructions on how to download and install node client software

5. If you decide not to use a State node or node client, use Option 3, the eBEACHES pathway on
EPA's Web-CDX.

Option 3 – Use Web-CDX

6. This pathway https://cdx.epa.gov/SSL/cdx/login.asp supports (1) monitoring data (via WQX
to STORET Warehouse), and (2) notification data (actions stored in PRAWN).

For instructions to get ID and password – see Appendix B

For additional eBEACHES Program guidance and technical assistance, see:
http://www.epa.gov/waterscience/beaches/grants/datausers/index.htm

Appendix A

Please review the WQX Flow Configuration Documents (FCD) at:
http://www.exchangenetwork.net/exchanges/water/wqx.htm

[For user support, contact 1-800-424-9067 or STORET@epa.gov]

Download and install node client software (add icon to Desktop); e.g., from
http://www.windsorsolutions.biz/nodeclient2007/ (Node Client Lite)

[For user support, contact Nodehelpdesk@csc.com 888-890-1995 option 2]

To add the ability to interact with WQX webservices as defined in the FCD, follow the steps below. These services provide a way to check what data a user has submitted or a way to access domain values, this is helpful when responding to error messages. Note: for Beach Program users, although the file below is v2.0, the v1.0 domain value and transaction ID services are still supported, and this file works with both.

On the Beaches Data User Webpage,
http://www.epa.gov/waterscience/beaches/grants/datausers/index.htm#overview

Locate the file link "wqxservices.windsor"
1. Save it to a location on your hard drive
2. Open the Node Client Lite (see I.1.-5. below)
3. Click on 'Services'
4. Right click on the 'Update' button
5. Choose 'Replace From File'
6. Navigate to where you saved the wqxservices.windsor file
7. Change files type to: 'Service Lite File'
8. Click 'Open'
Do not click Update again, or you will have more items, unrelated to WQX, in your list of services.

You should now have all of the WQX services.

I. TO CONNECT through CDX to WQX
1. on desktop, open icon
2. To connect, in New Connection pane, select [first use test mode]:
    a. (in test mode) https://test.epacdxnode.net/cdx/services/NetworkNodePortType_V10
        After successful test, get Production password from nodehelpdesk@csc.com
        888-890-1995, option 2; then use the production connection:
    b. (in production) https://cdxnode.epa.gov/cdx/services/NetworkNodePortType_V10
3. Set status to correct mode
4. Account - enter as registered (then will pre-populate)
5. Enter Credentials

6. Click Connect (to submit test or production XML file created with, e.g., EPA Monitoring Access Database, go to III.)
[If you get an "Unable to Authenticate" error - in the My Preferences screen, open Application, go to the remote IP tab and switch from the windsorsolutions url to the whatsmyip.org url. While there, make sure check box "Always authenticate against NAAS is NOT checked. Click "Save" and return to retry to connect.]

II. TO GET DATA – e.g., see transactions and results
1. In left pane, Things I Can Do, click on Get Data
2. In Request pane, Data Flow, use dropdown to select WQX (last one)
3. Service – select WQX.GetTransactionHistoryByParameters_v1.0
    a. Parameters – enter none or more, e.g.: orgid [WQXTEST], transaction id, filter for begin/end dates (right click on icons)
    b. Request Type - select output form
    c. Click Submit
    d. In Data Request Results pane: file saved to folder with name based on:
        YEARMONTHDAYHOURMINUTESECOND, e.g. C:\20070830124954
    e. go to location to open folder and view files
    f. open transaction file, find most recent at bottom, copy transaction id; e.g. 14fd9e21-c495-4c7f-a309-f3dd522b97bc
    g. go to IV DOWNLOAD
4. Get DomainValuesbyElementName_v.1.0
    a. Note: the WQX Flow Configuration document contains the list of domain values lists; each list contains element names
    b. Specify element name (optional), e.g. "characteristic" <Submit> see b-g above

III. UPLOAD
1. In left panel, Things I Can Do, click Upload
2. Upload Panel, Data Flow = WQX
3. Transaction ID – [if pre-populated, delete]
4. click "Add "
5. select file(s) from your directories (.zip or .xml); address will appear in "Selected File(s)" window
6. click Submit, should get "Document Submission Results"
    a. verify information
    b. block and copy transaction code (use <Ctrl C>) e.g. 14fd9e21-c495-4c7f-a309-f3dd522b97bc

7. IV.GO TO DOWNLOAD

IV. DOWNLOAD
1. In left panel, Things I can Do, click Download
2. Download panel, Data Flow = WQX
3. Transaction ID, paste e.g., 14fd9e21-c495-4c7f-a309-f3dd522b97bc
4. Selected Directory (where file will download to)
5. click "Submit"
6. In Document Download pane:

file://C:\20070830124954\BackEndDistribution_a6e0ead0-840d-42d5-98b2-4ddc2730e81f.zip
file://C:\20070830124954\Notify_WQX_valid_file.xml.xml
file://C:\20070830124954\ProcessingReport.zip
file://C:\20070830124954\Validation Results
file://C:\20070830124954\WQX_valid_file.xml

7. File saved to folder with name based on: YEARMONTHDAYHOURMINUTESECOND, e.g.
   C:\20070830124954 (.zip)
8. Look at Processing Report file – see error message if any at bottom; use to reply to state or to
   fix
9. After successful test, send processing report to nodehelpdesk@csc.com with request for
production password

Appendix B

Bill Kramer will pre-register you to the CDX Help Desk as an eBEACHES user for the new
Notification flow to WQX. You will receive an e-mail from EPA CDX HELPDESK with
instructions:

   a. If you already have a CDX ID and password: how to add this new monitoring data
      flow (account profile)

   b. If you are new to CDX: how to register for all eBEACHES data flows (account
      profiles)

Once registered, you will be directed to https://cdx.epa.gov/SSL/CDX/login.asp
where your available account profiles will be listed. Click on the link for the type of file you
want to submit.

C:\00KRAMER\aBEACHES\CDX\Submission Method Selection 2008.doc