

From: "Charles R Kratzer" <ckratzer@usgs.gov>
To: <emanm@dwq.swrcb.ca.gov>
Date: 6/22/04 4:48PM
Subject: Re: Request for QAPPs from SWRCB

Melenee - Here is a link to the NAWQA public page area with a list of reports on NAWQA protocols (sampling, lab methods, and database protocols for ground water, surface water, and biology). The first report listed is the National Field Manual which is the most recent USGS summary of field methods for collection of samples (it is on-line and gets updated frequently). Some of the other reports are earlier NAWQA protocols and NAWQA reports on specific NAWQA-related sampling issues.

http://water.usgs.gov/nawqa/protocols/doc_list.html

Let me know if you can't find what you're looking for somewhere amongst these reports.

Regards, Charlie

Charlie Kratzer, D.Env., P.E.
Chief, San Joaquin NAWQA
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6000 J Street
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<http://ca.water.usgs.gov>

----- Forwarded by Charles R Kratzer/WRD/USGS/DOI on 06/22/2004 04:43 PM -----

Joseph L Domagalski
06/22/2004 03:14 PM

To: Rick T Iwatsubo/WRD/USGS/DOI@USGS
cc: Charles R Kratzer/WRD/USGS/DOI@USGS
Subject: Re: Request for QAPPs from SWRCB

I tried finding an electronic version of Dave Mueller's surface water quality assurance plan for NAWQA, and Mike Koterba's GW plan, but they apparently do not exist. I only have one copy of each, and am reluctant to part with them. Cathy's report on QC for the Sac NAWQA is more of a retrospective QC check, but I would not call it a QAPP.

Joseph Domagalski
U.S. Geological Survey
Placer Hall
6000 J Street

26

6/22/04
Per phone
conversation
w/ Charles Kratzer
All data in
the NWIS,
NAWQA program
release to the
public has been
QAed.
Use National
Fields manual
for QA docu.

Sacramento, California 95819-6129

916 278 3077

Rick T Iwatsubo
06/22/04 02:58 PM

To: Joseph L Domagalski/WRD/USGS/DOI@USGS, Charles R Kratzer/WRD/USGS/DOI@USGS
cc: emanm@dwq.swrcb.ca.gov
Subject: Re: Request for QAPPs from SWRCB

Joe and Charlie,
Please contact Melene, about NAWQA QA guidelines/reports. (email or call
341-5271)

Thanks, Rick

----- Forwarded by Rick T Iwatsubo/WRD/USGS/DOI on 06/22/2004 02:55 PM

Rick T Iwatsubo
06/17/2004 04:00 PM

To: emanm@dwq.swrcb.ca.gov
cc: Charles R Kratzer/WRD/USGS/DOI@USGS, Debra S Curry/WRD/USGS/DOI@USGS,
Joseph L Domagalski/WRD/USGS/DOI@USGS, Kenneth Belitz/WRD/USGS/DOI@USGS,
Sylvia V Stork/WRD/USGS/DOI@USGS, Charles N Alpers/WRD/USGS/DOI@USGS, Joel
D Johnson/WRD/USGS/DOI@USGS, Charles R Kratzer/WRD/USGS/DOI@USGS
Subject: Re: Request for QAPPs from SWRCB

Melene,
Charlie Alpers passed along your request for QAPPs for NAWQA and NWIS.
I will let the NAWQA folks respond to you directly (Belitz, Domogalski,
Kratzer). They have numerous reports dealing with Quality Assurance.

Relative to NWIS, I (like Charlie) am not sure what you are asking for
since NWIS (National Water Information System) is our database system for storing water information. I
will forward your request to our site
administrator (Joel Johnson) and perhaps he can help you. Rick
Iwatsubo

Rick T. Iwatsubo
U.S. Geological Survey, WRD
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Sacramento, CA 95819-6129
(916) 278-3025
Fax: (916) 278-3190
Email: iwatsubo@usgs.gov

Charles N Alpers
06/17/2004 01:04 PM

To: Rick T Iwatsubo/WRD/USGS/DOI@USGS
cc: Sylvia V Stork/WRD/USGS/DOI@USGS, Joseph L Domagalski/WRD/USGS/DOI@USGS,
Charles R Kratzer/WRD/USGS/DOI@USGS, Kenneth Belitz/WRD/USGS/DOI@USGS,
Debra S Curry/WRD/USGS/DOI@USGS
Subject: Request for QAPPs from SWRCB

Rick -

Could you please deal with the request below from the SWRCB?

It appears as though Melene needs QAPPs for projects other than the ones for which I submitted data (e.g. NAWQA). I'm not sure what she means by needing a QAPP for NWIS.

If additional QA information is needed for my projects, please let me know, or have her contact me again with a more specific request. FYI, none of the projects for which I submitted data in this round for 303(d) consideration by the SWRCB has a formal QAPP.

Thanks,
Charlie

Charles N. Alpers
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e-mail cnalpers@usgs.gov

----- Forwarded by Charles N Alpers/WRD/USGS/DOI on 06/17/2004 01:00 PM

"Melene Emanuel" <emanm@dwq.swrcb.ca.gov>
06/17/2004 09:12 AM

To: <cnalpers@usgs.gov>
cc:
Subject: QAPPs

Hi Charles

Thanks for submitting your data for the 2004 303(d) list. I am assembling the administrative record for the SWRCB's 2004 303(d) listing process and I would like to obtain copies of the QAPPs for the NAWQA and NWIS programs...do you know if there are QAPPs for these particular programs. If there are QAPPs, how can I get copies of these?

Thanks for your help!

Melenee

CC: "Joseph L Domagalski" <joed@usgs.gov>, "Rick T Iwatsubo" <iwatsubo@usgs.gov>, "Charles N Alpers" <cnalpers@usgs.gov>

From: "Rick T Iwatsubo" <iwatsubo@usgs.gov>
To: <emanm@dwq.swrcb.ca.gov>
Date: 6/21/04 12:22PM
Subject: Re: Request for QAPPs from SWRCB

Melenee,

Joel bounced this back to me after getting more information from you.

As you indicated, the USGS Water Resources Discipline has no overall QAPP. The only formal QAPP are those we prepare when we have a project that requires an EPA QAPP (the one prepared by Charlie Alpers is a good example). Each CA water-quality project is suppose to have a QA Plan (not in the formal format of an EPA QAPP). Some project chiefs are good about preparing a plan, others are not. Some project chiefs rely on our National Field Manual for the Collection of Water-Quality Data: <http://water.usgs.gov/owq/FieldManual/>. The California District Offices also has an internal document that project folks are to follow: Quality Assurance Plan for the Water-Quality Activities of the California District.

All of our Quality-Control Data for discrete water-quality samples are stored in a separate database from the environmental database. Those data can be identified by project number or station ID. Please keep in mind there are various types of quality-control checks (equipment blanks, field blanks, replicates, spiked, split, and reference samples just to name some).

To answer your question: along with environmental data from a site, we could also provide you with any quality-control data associated with those environmental data. You just have to be specific in your request for the information. Tom Haltom, tchaltom@usgs.gov, is our public information officer and can make a retrieval of any public information we have available.

As far as QA of our analytical procedures, approved USGS methods are published. This fact sheet from our National Water-Quality Lab might be helpful to you: http://nwql.usgs.gov/Public/pubs/QC_Fact/text.html

You also need to keep in mind, that not all analytical procedures used by the USGS are approved methods. In those cases, data are not publically released without appropriate data-quality disclaimers.

This should give you some things to consider. Feel free to contact me if you have further questions. Hopefully you have contacted the NAWQA folks for their QA documentation.
Rick

Rick T. Iwatsubo
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Email: iwatsubo@usgs.gov

----- Forwarded by Rick T Iwatsubo/WRD/USGS/DOI on 06/21/2004 11:44 AM -----

Joel D Johnson
06/18/2004 03:09 PM

To: Rick T Iwatsubo WRD/USGS/DOI@USGS
cc: Sylvia V Stork WRD/USGS/DOI@USGS
Subject: Re: Request for QAPPs from SWRCB

back to you Rick. As far as sampling, that would be documented and available as our sampling protocols. And analysis information I guess would come from the lab, and they would have volumes of it I'm sure. I'm heading out of town in a few minutes (hopefully) and will not be back until July 5. j2

Joel D. Johnson
US Geological Survey, WRD
6000 J St., Placer Hall
Sacramento, CA 95819-6129
916-278-3163

----- Forwarded by Joel D Johnson WRD/USGS/DOI on 06/18/2004 03:07 PM

"Melenee Emanuel" <emanm@dwq.swrcb.ca.gov>
06/18/2004 02:48 PM

To: <jdjohnsn@usgs.gov>
cc: <iwatsubo@usgs.gov>, <svstork@usgs.gov>
Subject: Re: Request for QAPPs from SWRCB

Thanks! Do you have any suggestions on how to handle or find QA for particular data. Is there QA documentation...not just data entry, but QA for sampling and analysis?

>>> "Joel D Johnson" <jdjohnsn@usgs.gov> 06/18/04 02:38PM >>>

That would depend on the type of data. I believe that the water quality data can be tied to a particular project number at the results level, but ground-water and surface-water (and any time-series data) is only linked at the site level. It is not a mandatory field, and individual sites can have data collected at them for a variety of projects over the years, so it probably is not a definitive way to link data values to a project QAP.

Joel D. Johnson
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916-278-3163

"Melenée Emanuel"

<emanm@dwq.swrcb.

To: <jdjohnsn@usgs.gov>

ca.gov>

cc:

Subject: Re: Request for

QAPPs from SWRCB

06/18/2004 10:55

AM

Hi Joel

I apologize for the confusion. I was unaware that NWIS was a database. I understand that USGS does not have an overall QAPP for the agency for collecting, analyzing and storing the data, but QAPP are specific to a particular project or program. When data is stored in the NWIS database is

the specific project associated with it? If the project is tie to the data in the database, then it may be easy to get the QA or QAPP associated with the data that we would like to use for the 2004 section 303(d) listing process.

I hope that clears things up a bit.

Thanks

Melenée

Melenée Emanuel

State Water Resources Control Board

Division of Water Quality, Monitoring

1001 I Street, P.O. Box 944213

Sacramento, CA 95812

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>>> "Joel D Johnson" <jdjohnsn@usgs.gov> 06/18/04 10:28AM >>>

I must admit I am not sure what you are wanting in regards to an NWIS QAP. We have a variety of policies and procedures in place for maintaining the database from a DBA standpoint, but as far as QA'ing the data contained therein, that would be in the individual QW, GW, SW etc QA plans. There are

sections in each that should address database QA procedures.

j2

Joel D. Johnson

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6000 J St., Placer Hall
Sacramento, CA 95819-6129
916-278-3163

----- Forwarded by Joel D Johnson/WRD/USGS/DOI on 06/18/2004 10:25 AM

Rick T Iwatsubo

To:

emanm@dwq.swrcb.ca.gov
06/17/2004 04:00 cc: Charles R
Kratzer/WRD/USGS/DOI@USGS, Debra S
PM Curry/WRD/USGS/DOI@USGS,
Joseph L Domagalski/WRD/USGS/DOI@USGS, Kenneth
Belitz/WRD/USGS/DOI@USGS,
Sylvia V Stork/WRD/USGS/DOI@USGS, Charles N
Alpers/WRD/USGS/DOI@USGS,
Joel D Johnson/WRD/USGS/DOI@USGS, Charles R
Kratzer/WRD/USGS/DOI@USGS

Subject: Re: Request for
QAPPs from SWRCB(Document link: Joel D
Johnson)

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Charles N Alpers

To: Rick T
lwatsubo WRD/USGS/DOI@USGS
06/17/2004 01:04 cc: Sylvia V
Stork WRD/USGS/DOI@USGS, Joseph L
PM
Domagalski WRD/USGS/DOI@USGS, Charles R Kratzer WRD/USGS/DOI@USGS,
Kenneth
Belitz WRD/USGS/DOI@USGS, Debra S Curry WRD/USGS/DOI@USGS
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e-mail cnalpers@usgs.gov

----- Forwarded by Charles N Alpers WRD/USGS/DOI on 06/17/2004 01:00 PM

"Melene Emanuel"

<emanm@dwq.swrcb. To:
<cnalpers@usgs.gov>
ca.gov> cc:

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06/17/2004 09:12

AM

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Thanks for your help!

Melenee

(See attached file: Melenee Emanuel.vcf)

CC: "Joel D Johnson" <jdjohnsn@usgs.gov>, "Sylvia V Stork" <svstork@usgs.gov>, "Thomas C Haltom" <tchaltom@usgs.gov>

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P 23184

#21e

Appendices to letter of
4/10/04 - Greg Scoles,
City of Santa Rosa

Child Dept.
sent 4/10/04