

Re: FW: Layne Pump Rig

From: beverley a everson/r3/usdafs;nsf;beverson@fs.fed.us;smtp
Sent: Tue May 13 2008 20:27:23 EDT
To: karnold@augustaresource.com
CC:
Subject: Re: FW: Layne Pump Rig
Attachments:

Importance: Low
Priority: Normal
Sensitivity: None

Hi Kathy,

I assume the rig you're talking about is the pump service rig that is labeled as such in the descriptions; is that correct? How does this rig compare in size to the drill rig?

Will the drill rig and the pump truck be on the site at that same time?

Bev

Beverley A. Everson
Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

Voice: 520-388-8428
Fax: 520-388-8305

Kathy Arnold <karnold@augustaresource.com>
05/13/2008 04:47 PM

Please respond to
karnold@augustaresource.com

To
'Beverley A Everson' <beverson@fs.fed.us>
cc

Subject
FW: Layne Pump Rig

Bev -

Just got this from Jim Davis at Montgomery. It appears that they would like to use the pump truck rather than the drill rig to install the pumps at the wells that will be monitored. Do you have a problem with this equipment substitution? A picture of the truck is in the attached file (after the first few safety acknowledgement pages).

Thank you -
Kathy

Kathy Arnold | Director of Environmental and Regulatory Affairs
Cell: 520.784.1972 | Main: 520.297.7723 | Fax 520.297.7724
karnold@augustaresource.com

Rosemont Copper Company
P.O. Box 35130 | Tucson, AZ 85740-5130
3031 West Ina Road | Tucson, AZ 85741 | www.rosemontcopper.com

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-----Original Message-----

From: Jim Davis [mailto:jdavis@elmontgomery.com]
Sent: Tuesday, May 13, 2008 4:34 PM
To: karnold@augustaresource.com
Cc: LOIS AND DENNIS FISCHER
Subject: Layne Pump Rig

Kathy,

Layne is planning to conduct well development at the Rosemont wells with a smaller pump rig rather than using the drilling rig. Attached is information about the pump rig so you can let Bev Everson know. If this is a problem, please let me know.

Layne would also be using this rig to install pumping test equipment at the wells, if they are the one selected for that. Right now, I'm trying to get a price quote from Layne for installation and operation of the test pumps. Otherwise, we'll planning to use Verdad for the pumping test work.

Jim

-----Original Message-----

From: RNShrum@laynechristensen.com [mailto:RNShrum@laynechristensen.com]
Sent: Tuesday, May 13, 2008 3:08 PM
To: Jim Davis
Cc: jstephens@laynechristensen.com
Subject: Fw: Message from KMBT_750

Equipment and sign off sheets for pump rig

Robert Shrum
Layne Christensen Co.
12030 E. Riggs Road
Chandler, AZ 85249
Ph: 480-895-9336
Fx: 480-895-8699

Office Locations: Colorado 303/755-1218
Nevada 702/ 221-9717, Utah 801/ 972-3333, Southern California 909/
390-2833 Northern California 530/ 622-2825

(See attached file: SKMBT_75008051313570.pdf)
[attachment "SKMBT_75008051313570.pdf" deleted by Beverley A Everson/R3/USDAFS]

From: teresa ann ciapusci/r3/usdafs;nsf;tciapusci@fs.fed.us;smtp
Sent: Thu Oct 02 2008 11:31:24 EDT
To: jeanine derby/r3/usdafs@fsnotes
CC: andrea w campbell/r3/usdafs@fsnotes;beverley a everson/r3/usdafs@fsnotes;mary m farrell/r3/usdafs@fsnotes;reta laford/r3/usdafs@fsnotes
Subject: Re: Draft notes from CNF presentation to T.O. Tribal Council
Attachments: Mtg with TO Tribal Council Sep 12 08_mmf.doc

Importance: Low
Priority: Normal
Sensitivity: None

I'll be glad to put the letter together as soon as I have the name and address from Mary.

Teresa Ann Ciapusci
Staff Officer
Ecosystem Management and Planning
Coronado National Forest
300 West Congress, FB42
Tucson, Arizona 85701
(520) 388-8350 office
(520) 237-0879 cellular
(520) 388-8305 fax

Jeanine Derby/R3/USDAFS
10/01/2008 04:43 PM

To
Andrea W Campbell/R3/USDAFS@FSNOTES, Teresa Ann Ciapusci/R3/USDAFS@FSNOTES, Beverley A Everson/R3/USDAFS@FSNOTES
cc
Reta Laford/R3/USDAFS@FSNOTES, Mary M Farrell/R3/USDAFS@FSNOTES
Subject
Re: Draft notes from CNF presentation to T.O. Tribal Council

From conversations during our meeting with the Council, we do know that the T.O. nation is potentially interested in a role as cooperating agency and we need to issue an invitation to them. Mary could then follow up to answer their questions re: who might be the key representative, depending on how they describe their interest/expertise. Teresa Ann, were you the one handling letters to cooperative agencies and can you get a letter to the Chair? Mary can give you the proper contact info.

Jeanine Derby, Forest Supervisor
Coronado National Forest
phone: 520 388-8306

FAX: 520 388-8305

Andrea W Campbell/R3/USDAFS
10/01/2008 03:58 PM

To
Mary M Farrell/R3/USDAFS@FSNOTES
cc
Jeanine Derby/R3/USDAFS@FSNOTES, beverson@fs.fed.us, Reta Laford/R3/USDAFS@FSNOTES, "Suzanne Griset" <sgriset@swca.com>, "Tom Euler" <teuler@swca.com>, "Tom Furgason" <tfurgason@swca.com>, William B Gillespie/R3/USDAFS@FSNOTES
Subject
Re: Draft notes from CNF presentation to T.O. Tribal Council

The Nation as a whole would best be listed as the "cooperating agency". They should designate a single point of contact (e.g., Peter Steere) to coordinate input to the FS from all Tribal departments.

-----Mary M Farrell/R3/USDAFS wrote: -----

To: Jeanine Derby/R3/USDAFS@FSNOTES
From: Mary M Farrell/R3/USDAFS
Date: 09/29/2008 09:35AM
cc: beverson@fs.fed.us, Reta Laford/R3/USDAFS@FSNOTES, "Suzanne Griset" <sgriset@swca.com>, "Tom Euler" <teuler@swca.com>, "Tom Furgason" <tfurgason@swca.com>, William B Gillespie/R3/USDAFS@FSNOTES, Andrea W Campbell/R3/USDAFS@FSNOTES
Subject: Re: Draft notes from CNF presentation to T.O. Tribal Council

Suzanne,

thanks -- way better notes than I would have taken! A couple typos marked in this version:

Jeanine,

In your correction, are you saying that the Nation will be invited to be a cooperating agency under NEPA as well as a consulting party under NHPA? I think that's a great idea, because it puts the Nation on a par with Pima County, and a lot of the Nation's concerns will be the same as the County's, and have nothing to do with NHPA. If so, would this re-wording work to clarify Udall Center's role in public working groups vs our gov't-to-gov't relationship with the tribes?

Jeanine responded that the Coronado National Forest welcomes input from the Tohono O'odham Nation and will issue a formal invitation for the Nation to participate as a "cooperating agency" under NEPA as well as

a "consulting party" under the National Historic Preservation Act. Jeanine also noted that the CNF has engaged the Udall Institute to form and manage public working groups to work on a separate track supporting the NEPA process.

I should admit that I haven't ever worked on an EIS that had formal cooperating agencies and don't know what all it entails. Does it make more sense for departments of the Nation (e.g. natural resources, mining) to be cooperating agencies, or the Nation as a whole?

Mary M. Farrell
Forest Archaeologist
Coronado National Forest
300 W. Congress
Tucson, AZ 85701
(520) 388-8391
(520) 388-8305 (fax)
Jeanine Derby/R3/USDAFS

Jeanine Derby/R3/USDAFS
09/29/2008 08:27 AM

To
"Suzanne Griset" <sgriset@swca.com>

cc
beverson@fs.fed.us, mfarrell@fs.fed.us, "Tom Euler" <teuler@swca.com>, "Tom Furgason"
<tfurgason@swca.com>, William B Gillespie/R3/USDAFS@FSNOTES, Reta Laford/R3/USDAFS@FSNOTES

Subject
Re: Draft notes from CNF presentation to T.O. Tribal Council

Thanks for your notes. There is some confusion between cooperating agencies and working groups in the notes. In paragraph 4 of notes, please make this correction. "Coronado National Forest has engaged the Udall Institute to form and manage public working groups to work on a separate track supporting the NEPA process." (The public working groups will complete specific tasks, such as evaluating public comments and developing issues for alternatives.)

Jeanine Derby, Forest Supervisor
Coronado National Forest
phone: 520 388-8306
FAX: 520 388-8305
"Suzanne Griset" <sgriset@swca.com>

"Suzanne Griset" <sgriset@swca.com>
09/26/2008 03:16 PM

To
<mfarrell@fs.fed.us>, <wgillespie@fs.fed.us>, <beverson@fs.fed.us>

Re: Draft notes from CNF presentation to T.O. Tribal Council

CC

"Jeanine Derby" <jderby@fs.fed.us>, "Tom Euler" <teuler@swca.com>, "Tom Furgason" <tfurgason@swca.com>

Subject

Draft notes from CNF presentation to T.O. Tribal Council

Mary mentioned that Kendra might have taken notes, but since we haven't had a response to email inquiries, I thought I would transcribe my notes while they still make sense. I will contact Chairman Jose to see if there is a transcript available of the presentation. In the meantime, would those of you who attended and have notes, please review these and send me your comments/revisions?

Many thanks,

Suzanne <<Mtg with TO Tribal Council Sep 12 08.doc>> [attachment "Mtg with TO Tribal Council Sep 12 08.doc" deleted by Mary M Farrell/R3/USDAFS]

- Mtg with TO Tribal Council Sep 12 08_mmf.doc

From: mark e schwab/r3/usdafs;nsf;mschwab@fs.fed.us;smtp
Sent: Fri Oct 09 2009 13:56:16 EDT
To: beverley a everson/r3/usdafs@fsnotes
CC:
Subject: Re: Fw: SRK review of geochemical test work prepared for Rosemont Copper
Attachments:

Importance: Low
Priority: Normal
Sensitivity: None

Hi Bev - I've been out most of this week... thank you for your e-mail and invite, and sorry I missed the teleconf. Thanks, but I don't think I need to speak with Rob.

Mark E. Schwab, Arizona Zone Geologist
Tonto National Forest, 2324 E. McDowell Rd.
Phoenix, AZ 85006 office: 602-225-5266
Fax: 602-225-5295 cell: 623-680-6045
e-mail: mschwab@fs.fed.us

Beverley A Everson/R3/USDAFS
10/05/2009 03:08 PM

To
Michael A Linden/R3/USDAFS@FSNOTES, Salek Shafiqullah/R3/USDAFS@FSNOTES
cc
Mark E Schwab/R3/USDAFS@FSNOTES, Roger D Congdon/R3/USDAFS@FSNOTES
Subject
Re: Fw: SRK review of geochemical test work prepared for Rosemont Copper

Mark or Roger, if either of you needs the discussion with Rob Bowell, please speak up. Salek, do you think a call would be useful?

Beverley A. Everson
Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

Voice: 520-388-8428
Fax: 520-388-8305

Michael A Linden/R3/USDAFS
10/02/2009 03:07 PM

To
Beverley A Everson/R3/USDAFS@FSNOTES
cc
Roger D Congdon/R3/USDAFS@FSNOTES, Mark E Schwab/R3/USDAFS@FSNOTES
Subject
Re: Fw: SRK review of geochemical test work prepared for Rosemont Copper

Bev,Roger Congdon and I have reviewed the SRK Technical Memo...overall we have no problem with their assessment of the two documents concerning geochemical test work....they seem to make valid points about some possible deficiencies in the studies. If these deficiencies haven't already been addressed....now's a good time to address them in some way.

Michael A. Linden, Regional Geologist
USDA Forest Service, Southwestern Region
333 Broadway, S. E., Albuquerque, NM 87102
(505) 842-3158 Fax (505) 842-3152
e-mail: mlinden@fs.fed.us

Beverley A Everson/R3/USDAFS
09/24/2009 06:28 PM

To
Salek Shafiqullah/R3/USDAFS@FSNOTES, Michael A Linden/R3/USDAFS@FSNOTES, Eli Curiel/R3/USDAFS@FSNOTES, Walter Keyes/R3/USDAFS@FSNOTES, Mark E Schwab/R3/USDAFS@FSNOTES, Roger D Congdon/R3/USDAFS@FSNOTES
cc

Subject
Fw: SRK review of geochemical test work prepared for Rosemont Copper

Beverley A. Everson
Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

Voice: 520-388-8428

Fax: 520-388-8305

----- Forwarded by Beverley A Everson/R3/USDAFS on 09/24/2009 05:27 PM -----

"Tom Furgason" <tfurgason@swca.com>
09/24/2009 03:43 PM

To
"Beverley A Everson" <beverson@fs.fed.us>, "Melinda D Roth" <mroth@fs.fed.us>
cc
"Charles Coyle" <ccoyle@swca.com>, "Dale Ortman PE" <daleortmanpe@live.com>, "Hoag, Cori"
<choag@srk.com>, "Melissa Reichard" <mreichard@swca.com>
Subject
FW: SRK review of geochemical test work prepared for Rosemont Copper

Bev,

Attached is SRK's review of the Preliminary Trip Report and Phase 1 Sampling and Analysis Plan (Vector, 2006) and Baseline Geochemical Characterization – Rosemont Copper (main text, Appendix A, and Appendix B) (Tetra Tech, 2007) submitted by Rosemont. Would it be possible for the CNF have its review of this document completed by the end of next week (Oct. 2) so that we may respond to SRK in a timely manner such that they can respond to any comments from your staff? Specifically, we need your specialists to comment on SRK's work in presenting their professional opinion, not on what additional information, if any, may be required from Rosemont. At the end of our comment period we will request SRK to edit their memo or accept it as final. Should there be comments for SRK to consider, we anticipate their response to take one week. Then, based on the memo we may elect to pursue additional input from SRK and/or information from Rosemont. Feel free to contact Dale or me if you have any questions.

Tom Furgason
Program Director
SWCA Environmental Consultants
343 West Franklin Street
Tucson, AZ 85701
(520) 325-9194 ext. 110
(520) 820-5178 mobile
(520) 325-2033 fax

From: Hoag, Cori [mailto:choag@srk.com]
Sent: Thursday, September 24, 2009 11:54 AM
To: Charles Coyle; Tom Furgason
Cc: Dale Ortman PE; Bowell, Rob; Stone, Claudia
Subject: SRK review of geochemical test work prepared for Rosemont Copper

Charles and Tom,
Please find attached the review by SRK Consulting of two reports prepared by Vector (2006) and Tetra Tech (2007) on the geochemical test work performed for Rosemont Copper. Please let me know if you have

any questions.

Regards, Cori

Corolla K Hoag, R.G.
Principal Geologist
SRK Consulting (U.S.), Inc.
3275 W. Ina Rd. Suite 240
Tucson, AZ 85741
Work: (520) 544-3688
Fax: (520) 544-9853
Mobile: (520) 400-4135

[attachment "Rosemont_PrelimGeochem_Review_183101_20090924_rb-ckh_FNL.pdf" deleted by Mark E Schwab/R3/USDAFS]

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RICHARD S. WALDEN
PRESIDENT, & CEO

April 24, 2009

Ms. Sandra Eto
Environmental Resource Management Division
U.S. Department of the Interior, Bureau of Reclamation
Attention PXAO-1500
6150 West Thunderbird Road
Phoenix, AZ 85306-4001

**Re: Comments from Farmers Investment Co. (FICO) and Farmers Water Co. on
the Draft Environmental Assessment of Community Water Company Plan
for Central Arizona Project Water Delivery System, Pima County, Arizona**

Dear Ms. Eto:

Please find enclosed the comments of FICO and Farmers Water Co. on the above-referenced Draft Environmental Assessment. We look forward to working with the Bureau of Reclamation throughout this National Environmental Policy Act process. We also ask that your agency keep us well informed of any meetings or other newly available public information.

We appreciate the opportunity to provide your office with comments on the Draft Environmental Assessment.

Sincerely,

A handwritten signature in black ink, appearing to read 'Richard S. Walden', written over a white background.

Richard S. Walden
President

Enclosure

Tel: 520-791-2852

Fax: 520-791-2853

cc w/enc.

Honorable Gabrielle Giffords

Honorable Raul Grijalva

Honorable Ed Pastor

US Forest Service, Southwestern Region

Coronado National Forest

USDI Bureau of Land Management

US Environmental Protection Agency

Army Corps of Engineers

Davis-Monthan Air Force Base

Federal Highway Administration

US Fish & Wildlife

US Geological Survey

Office of Surface Mining Reclamation

Department of Labor Mine Safety and Health Administration

Department of Transportation Federal Railroad Administration

Bureau of Indian Affairs

Arizona Department of Mine & Mineral Resources

Arizona State Mine Inspector

Arizona Department of Environmental Quality

Arizona Game & Fish

Arizona Geological Survey

Arizona State Land Department

Arizona State Parks

Arizona Department of Public Safety

Arizona Department of Administration-Risk Management

Arizona Department of Water Resources

Arizona Water Banking Authority

State Historic Preservation Office

Arizona Department of Transportation

Central Arizona Groundwater Replenishment District

Central Arizona Water Conservation District

Pima County

Santa Cruz County

Cochise County

City of Tucson

From: debby kriegel/r3/usdafs;nsf;dkriegel@fs.fed.us;smtp
Sent: Thu Feb 11 2010 15:56:12 EST
To: beverley a everson/r3/usdafs@fsnotes;melinda d roth/r3/usdafs@fsnotes
CC:
Subject: Re: Fw: For USFS direction: RCC Viewshed analysis
Attachments:

Importance: Low
Priority: Normal
Sensitivity: None

The following message body may have embedded images.

The short answer is no. We cc'd you just so you'd be aware that there were some multi-party discussions regarding simulations.

You might also want to be aware that Marcie can't begin her work on simulations yet because The MPO still needs a stormwater management plan (otherwise Marcie doesn't know whether to simulate ridge & valley, benches, or otherwise).

Topo for the phased tailings alternative still hasn't been transmitted to Marcie.

The other alternatives are still in flux (especially Scholefield), need stormwater plans, and/or may change due to Golder & Horst's work.

Once we have the info from Rosemont's team, Golder, and Horst, there will need to be cross-check discussions between Rosemont, Tetra Tech, and SWCA regarding many of the items below.

Marcie and I spoke today, and she will provide clarification on what information is still needed. As information is provided and questions are resolved, she's ready to go.

It would be nice to have some simulations in the DEIS, but there is still a whopping amount of work before we're there.

Thanks.

Beverley A Everson/R3/USDAFS
02/11/2010 12:06 PM

To
Debby Kriegel/R3/USDAFS@FSNOTES
cc

Subject
Fw: For USFS direction: RCC Viewshed analysis

Debby,

I'm not following this discussion. Is there anything that you need for Mindee or me to do?

Thanks.

Bev

Beverley A. Everson
Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

Voice: 520-388-8428

Fax: 520-388-8305

----- Forwarded by Beverley A Everson/R3/USDAFS on 02/11/2010 12:05 PM -----

Kathy Arnold <karnold@rosemontcopper.com>
02/10/2010 08:14 AM

To

Debby Kriegel <dkriegel@fs.fed.us>

cc

David Krizek <david.krizek@tetrattech.com>, Marcie Bidwell <mbidwell@swca.com>, Tom Furgason <tfurgason@swca.com>, Trent Reeder <treeder@swca.com>, Beverley Everson <beverson@fs.fed.us>, Mindee Roth <mroth@fs.fed.us>

Subject

Re: For USFS direction: RCC Viewshed analysis

Debby -

I don't want to overstate, but I also don't want to minimize the potential for needing to review the site conditions. Let's see what Golder says – if they say something like: "this material requires no special whatever regardless of terrain" we're good. If it says something like "in this location....." we may need to look at it a little more closely. It could probably help (although I don't know their workload) or maybe someone like Dale who is a geotech kind of guy. Let's hope for the clarifying statements.

Cheers!

Kathy

Katherine Ann Arnold, P.E. | Director of Environmental and Regulatory Affairs
Cell: 520.784.1972 | Main: 520.297.7723 | Fax 520.297.7724
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From: Debby Kriegel <dkriegel@fs.fed.us>
Date: Wed, 10 Feb 2010 09:04:17 -0600
To: Katherine Arnold <karnold@rosemontcopper.com>
Cc: David Krizek <david.krizek@tetrattech.com>, Marcie Bidwell <mbidwell@swca.com>, Tom Furgason <tfurgason@swca.com>, Trent Reeder <treeder@swca.com>, Debby Kriegel <dkriegel@fs.fed.us>, Beverley Everson <beverson@fs.fed.us>, Mindee Roth <mroth@fs.fed.us>
Subject: Re: For USFS direction: RCC Viewshed analysis

Hmmm. Sounds like there is a need to confirm what is possible for each alternative. Is this something that Tetra Tech can help with? Could they start with Golder's report next week? Alternatives like the McCleary/Scholefield ("perched on the top of a hill") might need very different treatment, huh?!

Kathy Arnold <karnold@rosemontcopper.com> 02/10/2010 07:44 AM
To
Debby Kriegel <dkriegel@fs.fed.us>, Marcie Bidwell <mbidwell@swca.com>
cc
David Krizek <david.krizek@tetrattech.com>, Tom Furgason <tfurgason@swca.com>, Trent Reeder <treeder@swca.com>
Subject
Re: For USFS direction: RCC Viewshed analysis

Debby -
I agree with everything that you are saying (in concept) my concern is that Horst and Golder's work is being developed on a landform in a drainage – supported on several sides by the natural ground and not a free-form structure perched on the top of a hill or a drainage. That effects the stability and the stormwater management requirements. I do not think that you can evenly apply ALL grading on all shapes – it will give an indication yes, but needs to be judiciously applied. I am hoping that you get the disclaimers from Golder and Horst as to the applicability of applying their design techniques to other drainages or other locations – possibilities aren't necessarily reality.

Cheers!
Kathy
Katherine Ann Arnold, P.E. | Director of Environmental and Regulatory Affairs
Cell: 520.784.1972 | Main: 520.297.7723 | Fax 520.297.7724
karnold@rosemontcopper.com <karnold@rosemontcopper.com>

Rosemont Copper Company
P.O. Box 35130 | Tucson, AZ 85740-5130
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disclosure or distribution is prohibited. If you are not the intended recipient, please delete all copies and notify us immediately.

From: Debby Kriegel <dkriegel@fs.fed.us <dkriegel@fs.fed.us> >
Date: Wed, 10 Feb 2010 08:34:47 -0600
To: Marcie Bidwell <mbidwell@swca.com <mbidwell@swca.com> >
Cc: David Krizek <david.krizek@tetrattech.com <david.krizek@tetrattech.com> >, Katherine Arnold <karnold@rosemontcopper.com <karnold@rosemontcopper.com> >, Tom Furgason <tfurgason@swca.com <tfurgason@swca.com> >, Trent Reeder <treeder@swca.com <treeder@swca.com> >, Debby Kriegel <dkriegel@fs.fed.us <dkriegel@fs.fed.us> >
Subject: Re: For USFS direction: RCC Viewshed analysis

Simulations created for visual resource analysis and the EIS must be honest and accurate depictions of what the alternative would look like. They need to include stormwater management features, such as benches, if these features would be required. It is not appropriate to simulate 3:1 smooth top-to-bottom slopes if benches will be necessary (I'm assuming that this is what you're calling "angular grading" from Tetra Tech).

Golder's work will be complete on Monday, and the results may indicate that fewer benches are required. Horst Schor's work is expected to create more natural forms to deal with stormwater. Both of these would lessen effects to visual quality and should be incorporated as much as possible into alternatives and resulting simulations.

The exception would be the MPO, which doesn't have a stormwater grading plan. I recommend printing a disclaimer statement regarding this on the MPO simulations.

Thanks.

Debby Kriegel

"Marcie Bidwell" <mbidwell@swca.com <mbidwell@swca.com> > 02/09/2010 02:36 PM
To
"Krizek, David" <David.Krizek@tetrattech.com <David.Krizek@tetrattech.com> >, "Debby Kriegel" <dkriegel@fs.fed.us <dkriegel@fs.fed.us> >, "Tom Furgason" <tfurgason@swca.com <tfurgason@swca.com> >, "Kathy Arnold" <karnold@rosemontcopper.com <karnold@rosemontcopper.com> >, "Trent Reeder" <treeder@swca.com <treeder@swca.com> >
cc
Subject
For USFS direction: RCC Viewshed analysis

Hello Debby and Kathy,

I wanted to check in with you for direction to SWCA and Tetra Tech regarding what level of engineering resolution that we should all use in visual analysis and supporting efforts.

Please see David's message below and use the two attachments to place the questions in reference.
1. David has sent a pdf map of the Barrel only alternative that shows the angular grading of the "raw process."

2. I have attached a GIS view of the MPO with the benches etc, rather than smoothing, i.e. the "Raw process.

Due to the level of engineering development of the alternatives, David is proposing that both companies work from the raw version of the alternatives.

It is my understanding that working from the "raw" images would provide the "typical stormwater and benching" design that the Visual Coordination Meeting directed us to use (see KOP 12 attached).

Debby, Please confirm that we should all be working on the "raw" data that shows benching, to create a fair comparison.

David, I am still waiting for response to the questions that I submitted to Tt on Feb. 2 regarding the presentation of the MPO; I think my questions overlap with yours.

From Marcie to SWCA, Tt, and USFS on 2/2/2010: RE: Visualization Coordination Follow Up and Minutes.

MPO- Specific Questions-

1. Please confirm which presentation of the MPO grading we should use for vizualizations at Y10 is as presented in Figure 9 of the Reclamation and Closure Plan (RCP).
2. Please confirm which presentation of the MPO grading we should use for visualizations at Y20- should the MPO be shown as Figure 11 or Figure 12 of the RCP.
3. Please indicate what the geodatabase layer name is that will have the "composite of yearly reclamation areas" in the data provided by Tt.
4. SWCA understands that the MPO should show benches as the following: waste rock, as 100 ft running slopes for each bench and approximately 100 ft wide road/bench surface; and tailings as 50 ft benches and running surface; the attached KOP 12 image shows the output from the MPO with benches as submitted. Please confirm if this is what we should use for final grading.

From: Krizek, David [mailto:David.Krizek@tetrattech.com <mailto:David.Krizek@tetrattech.com>]
Sent: Tuesday, February 09, 2010 11:59 AM
To: Marcie Bidwell
Cc: Keepers, Ashley; Carrasco, Joel
Subject: RCC Viewshed analysis

Marcie,

This e-mail is being sent just to clarify the shapes we are using for our viewshed analysis.

Depending on the alternative, the various alternatives have been developed to three different stages. These stages are:

1. Raw Stage
2. Smoothed Stage
3. Advanced Stage

For the ultimate footprint, the following stages have been done:

1. Barrel and McCleary Alternative raw stage advanced design
2. MPO raw stage smoothed shape
3. Barrel Only Alternative raw stage
4. Sycamore Tailings and Barrel Waste Alternative raw stage

5. Scholefield Tailings and McCleary Waste Alternative raw stage

For the Year 10 footprint, the following stages have been done:

1. Barrel and McCleary Alternative raw stage
2. MPO raw stage
3. Barrel Only Alternative raw stage
4. Sycamore Tailings and Barrel Waste Alternative raw stage
5. Scholefield Tailings and McCleary Waste Alternative raw stage

For the viewshed analysis, we are just planning on using the raw stage for all (Barrel Only Alternative attached for example). The raw stage is the angular version used to determine volumes, etc. Otherwise it won't be an equal analysis.

Is this what you were anticipating?

Sincerely,

David Krizek | Principal

Main: 520-297-7723 | Mobile: 520-260-3490 | Fax: 520-297-7724

Tetra Tech

3031 West Ina Road | Tucson, AZ 85741 | www.tetrattech.com <<http://www.tetrattech.com/>>
<<http://www.tetrattech.com/>>

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[attachment "Barrel Only_raw shape.pdf" deleted by Debby Kriegel/R3/USDAFS] [attachment "11204_KOP12_PAb.jpg" deleted by Debby Kriegel/R3/USDAFS]

From: debby kriegel/r3/usdafs;nsf;dkriegel@fs.fed.us;smtp
Sent: Wed Apr 21 2010 18:24:34 EDT
To: beverley a everson/r3/usdafs@fsnotes;mrecihard@swca.com
CC:
Subject: Re: Fw: Comments on Tetra Tech's Viewshed Analysis Reports
Attachments:

Importance: Low
Priority: Normal
Sensitivity: None

Did my previous 2 letters regarding tech reports get included in the admin record? Both should be posted on WebEx.

Beverley A Everson/R3/USDAFS
04/21/2010 12:36 PM

To
karnold@rosemontcopper.com, mrecihard@swca.com, Debby Kriegel/R3/USDAFS@FSNOTES
cc
Melinda D Roth/R3/USDAFS@FSNOTES
Subject
Fw: Comments on Tetra Tech's Viewshed Analysis Reports

Kathy,

Please see Debby's comments on the recent viewshed analysis reports, below. Mel, I'm cc'ing to you for the admin record.

Bev

Beverley A. Everson
Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

Voice: 520-388-8428
Fax: 520-388-8305

----- Forwarded by Beverley A Everson/R3/USDAFS on 04/21/2010 12:23 PM -----

Debby Kriegel/R3/USDAFS

04/21/2010 11:26 AM

To
Beverley A Everson/R3/USDAFS@FSNOTES
cc

Subject
Comments on Tetra Tech's Viewshed Analysis Reports

I have reviewed the 6 "Viewshed Analysis" reports from March. Please forward my comments to Rosemont.
Thank you.

[attachment "Review_Rosemont_Reports_Viewshed_Analysis_MPO_and_Alternatives.doc" deleted by Debby
Kriegel/R3/USDAFS]

From: debby kriegel/r3/usdafs;nsf;dkriegel@fs.fed.us;smt
Sent: Tue Jun 01 2010 10:30:40 EDT
To: "marcie bidwell" <mbidwell@swca.com>;melinda d roth/r3/usdafs@fsnotes;beverley a everson/r3/usdafs@fsnotes;reta laford/r3/usdafs@fsnotes
CC: debby kriegel/r3/usdafs@fsnotes
Subject: Rosemont Simulations - Drainage Drawings
Attachments:

Importance: Low
Priority: Normal
Sensitivity: None

The following message body may have embedded images.

Bev, Mindee, Reta: Note Marcie's statement below (I turned her text red). If she doesn't have the data from Rosemont by June 15, she won't be able to produce simulations for the DEIS. I believe that this is a major problem.

Marcie: Please verify with Rosemont and Tetra Tech the correct number of benches to show in the simulation. I'm confused by items 1 (no benches on tailings) and 2 (6 benches). Which is correct for the MPO?

"Marcie Bidwell" <mbidwell@swca.com>
05/28/2010 09:16 AM

To
"David Krizek" <david.krizek@tetrattech.com>, "Kathy Arnold" <karnold@rosemontcopper.com>
cc
"Debby Kriegel" <dkriegel@fs.fed.us>, "Keepers, Ashley" <Ashley.Keepers@tetrattech.com>, "Carrasco, Joel" <Joel.Carrasco@tetrattech.com>, "Trent Reeder" <treeder@swca.com>, "Melissa Reichard" <mreichard@swca.com>, "Jonathan Rigg" <jrigg@swca.com>, "Lara Mitchell" <lmitchell@swca.com>
Subject
RE: Drainage drawing

David,

Good to see you on Monday. You looked refreshed.

Per Kathy's email regarding stormwater, here is an example of what we are looking for as an indication of stormwater elements- we just need to just know a general indication of where to show drop structures, detention ponds, etc. This could be hand drawn, or as Trent prepared similar to this diagram. This is to illustrate what we are requesting.

In the meeting May 19, the MPO was discussed, and it was decided that while several concepts for reclamation were included in the MPO that have different physical forms (such as ridge and valley, etc) that the EIS simulations will use the basic topography that Rosemont has provided the FS and SWCA. Additionally, SWCA will apply vegetation and colors to the surface, but we will not be adjusting the contours. The idea is that the "MPO is the MPO" to the level designed, not to show possible modifications to it.

REQUEST:

1. Please indicate by June 3 if Trent's drawing for placement of drop structures and stormwater ponds will suffice. At that date, we will complete the drafts of the MPO as Trent has shown. Or you may supply a similar drawing by June 3rd to replace it.
2. Please supply a similar level of drawing for the Scholefield and Barrel Only alternatives with the contours, when they are ready.
3. Any data that has been requested and not received by June 15th will not be shown in the DEIS simulations by SWCA, unless special arrangements have been made prior to this date.

A few important points regarding the MPO, drainage, and contours~

1. MPO Contours data set and reclamation- SWCA has been directed to use the set of contours for our alternatives that are shown in the JPG that is attached (August 2009 and Feb 2010 data downloads). However we do also have the 2007 contours Shown in Figure 23 Reclamation Plan as well. There are differences between these data sets, although their footprints are mostly the same. Notice also that Figure 23 does not show benches or access roads. JPG shows three benches on the waste rock pile and no specific benches on the tailing pile; the tails are generally evenly stepped throughout.

Important note: we are proceeding with the data set shown in JPG, as recently directed, unless we hear otherwise by June 3.

2. MPO vs. Reclamation data set. Thus far, SWCA has been using the MPO footprint as shown in the maps used at Monday's meeting.

I know that you are very familiar with the MPO and its Reclamation Plan and you will notice that the contours that we have received for the MPO do not look quite like MPO Rec Figure 23 (compared with the contours shown in MPO SW mdb.jpg). The MPO JPG shows 3-4 benches in some places, but according to your Preliminary Stormwater Concept, there should be 1 bench per 100 feet of elevation on the waste rock, or 4-6 benches depending on where one starts counting.

Important note: we are proceeding with the MPO shown benches on the waste rock and assigning a bench to every 100ft of drop on the tails, which results in 6 benches (approximately), as directed May 19th unless we hear otherwise by June 3.

Thank you for your time and cooperation in advance,
Marcie

From: Marcie Bidwell
Sent: Wednesday, May 19, 2010 4:08 PM
To: 'Kathy Arnold'; David Krizek
Cc: Debby Kriegel; Keepers, Ashley; 'Carrasco, Joel'; Trent Reeder
Subject: RE: Drainage drawing

Hello David,

This request forwarded by Kathy is the conceptual drawing that you and I have been discussing for a few months now.

The request is to supplement the Preliminary Stormwater Control and Reclamation Summary with a conceptual sketch of where the elements described in the text would be placed on each alternative map. This is consistent with the data requests filed by the Forest Service this year.

Specifically, it would be for the following alternatives (i.e. Phased Tailings is considered complete):

MPO-

Upper Barrel- (once the final design is confirmed)

Scholefield- (once final design is confirmed)

Additionally, SWCA would like to request that the Phased Tailings Contour data and associated layers be uploaded to the FTP site, as well.

I would be glad to discuss this on the phone with you, Ashley or Joel. And I want to extend a thank you for the recent call inquiry.

Thank you!

Marcie

From: Kathy Arnold [mailto:karnold@rosemontcopper.com]

Sent: Wednesday, May 19, 2010 2:46 PM

To: David Krizek

Cc: Marcie Bidwell; Debby Kriegel

Subject: Drainage drawing

David -

I need you to put pen to paper on a drawing (2-d is fine) to show Marcie what your write-up will (could?) look like in the real world. Hand drawn arrows will be fine.

Cheers!

Kathy

Katherine Ann Arnold, P.E. | Director of Environmental and Regulatory Affairs

Cell: 520.784.1972 | Main: 520.297.7723 | Fax 520.297.7724

karnold@rosemontcopper.com

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[attachment "MPO_SW mdb.jpg" deleted by Debby Kriegel/R3/USDAFS] [attachment "MPO Rec Figure 23.pdf" deleted by Debby Kriegel/R3/USDAFS]

From: beverley a everson/r3/usdafs;nsf;beverson@fs.fed.us;smtp
Sent: Tue Jun 23 2009 16:28:45 EDT
To: beverley a everson/r3/usdafs@fsnotes
CC:
Subject: Fw: Agave Test Plot
Attachments:

Importance: Low
Priority: Normal
Sensitivity: None

The following message body may have embedded images.

Beverley A. Everson
Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

Voice: 520-388-8428
Fax: 520-388-8305

----- Forwarded by Beverley A Everson/R3/USDAFS on 06/23/2009 01:28 PM -----

Kathy Arnold <karnold@rosemontcopper.com>
06/19/2009 11:51 AM

To
Beverley A Everson <beverson@fs.fed.us>
cc
Jamie Sturgess <jsturgess@augustaresource.com>
Subject
FW: Agave Test Plot

Bev –
Just in case you get some calls or complaints. We set up an area on our property (< 1.5 acres) for the University of Arizona to do some agave transplant tests.

We will also be doing some water elevation checks and water quality sampling over the next couple of weeks – the same kind of work we have been doing over the past two years, but just in case someone gets nervous. We've had some on-going vandalism of cattle fencing at the ranch lately (on our state leases) so I think that we are having a bit more activity of the antis in the field so you may get some calls.

Cheers! And have a great weekend -
Kathy

Kathy Arnold | Director of Environmental and Regulatory Affairs

Cell: 520.784.1972 | Main: 520.297.7723 | Fax 520.297.7724
karnold@rosemontcopper.com

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From: Dennis Fischer
Sent: Friday, June 19, 2009 11:27 AM
To: Kathy Arnold
Cc: Rod Pace
Subject: Agave Test Plot

Kathy:
If we don't get rained out DM will finish clearing and grubbing the agave test plot today. I got some pipe posts and concrete from the Ranch and DM will plant them near our property line on the way into the plot. I'll put some cable up next week and hopefully Holly can come up with a U of A sign. I think it all came out pretty good. Holly took a bunch of pictures herself out there this morning so I haven't copied her on this email. She's good with the plot.

Dennis[attachment "Agave Test Plot June 19, 2009 001.jpg" deleted by Beverley A Everson/R3/USDAFS]
[attachment "Agave Test Plot June 19, 2009 002.jpg" deleted by Beverley A Everson/R3/USDAFS]
[attachment "Agave Test Plot June 19, 2009 003.jpg" deleted by Beverley A Everson/R3/USDAFS]

From: "jerome hesse" <jhesse@swca.com>
Sent: Fri Jul 10 2009 13:13:17 EDT
To: "beverley a everson" <beverson@fs.fed.us>
CC:
Subject: RE: Bounds of Analysis Geology
Attachments:

Importance: Low
Priority: Normal
Sensitivity: None

Here you go.

Jerome

From: Beverley A Everson [mailto:beverson@fs.fed.us]
Sent: Thursday, July 09, 2009 6:58 PM
To: Jerome Hesse
Cc: Dale Ortman PE
Subject: Re: Bounds of Analysis Geology

Jerome and Dale,

Please provide the memoranda that were supposed to be attached, ie., Rosemont Project EIS Draft Chapter 3 Affected Environment Outline, May 19, 2009 Impact Timeline dated 11 January 2009. They are referenced but omitted.

Thank you - Bev

Beverley A. Everson
Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

Voice: 520-388-8428
Fax: 520-388-8305

"Jerome Hesse" <jhesse@swca.com>
06/11/2009 10:24 AM

To
<beverson@fs.fed.us>
cc
"Dale Ortman PE" <daleortmanpe@live.com>, "Charles Coyle" <ccoyle@swca.com>, "Tom Furgason"
<tfurgason@swca.com>
Subject

Bounds of Analysis Geology

Hi Bev,

Sorry I have not contacted you earlier about the bounds of analysis for the Affected Environment--Geology and Minerals section of the Rosemont EIS. Take a look at Dale's attached memo. Initially we were proposing multiple bounds of analysis for geology focusing on Mine Site Geology and Minerals, Seismicity, and Caves, but after further discussion we believe it is prudent to limit the analysis to a single bounds focusing on the mine site. Seismicity and caves will of course be addressed, but are not likely to be such significant issues that they warrant an entire separate formal bounds of analysis.

Let me know if you agree with this approach.

Thanks,

Jerome Hesse

Program Director, Cultural Resources

SWCA Environmental Consultants

343 West Franklin Street

Tucson, Arizona 85701

520-325-9194 phone

520-325-2033 fax

[attachment "DRAFT CHAPTER 3 AFFECTED ENVIRONMENT OUTLINE rev 5-19-09.doc" deleted by Beverley A Everson/R3/USDAFS]

From: melinda d roth/r3/usdafs;nsf;mroth@fs.fed.us;smtp
Sent: Tue Jul 14 2009 19:25:39 EDT
To: beverley a everson/r3/usdafs@fsnotes
CC:
Subject: Fw: Rosemont Issue Statements and Units of Measure
Attachments:

Importance: Low
Priority: Normal
Sensitivity: None

FYI... So far, I have received feedback from Walt, Debby, Larry Jones, and TA.

Mindee Roth
Coronado National Forest
300 W. Congress, FB42
Tucson, AZ 85701
(520) 388-8319
(520) 396-0715 (cell)
(520) 388-8305 (FAX)

----- Forwarded by Melinda D Roth/R3/USDAFS on 07/14/2009 04:23 PM -----

Melinda D Roth/R3/USDAFS
07/13/2009 09:33 AM

To
Robert Lefevre/R3/USDAFS@FSNOTES, William B Gillespie/R3/USDAFS@FSNOTES, Sarah L Davis/R3/USDAFS@FSNOTES, Debby Kriegel/R3/USDAFS@FSNOTES, Deborah K Sebesta/R3/USDAFS@FSNOTES, Walter Keyes/R3/USDAFS@FSNOTES, Salek Shafiqullah/R3/USDAFS@FSNOTES, Eli Curiel/R3/USDAFS@FSNOTES, Beverley A Everson/R3/USDAFS@FSNOTES, Kent C Ellett/R3/USDAFS@FSNOTES, Arthur S Elek/R3/USDAFS@FSNOTES
cc
Richard A Gerhart/R3/USDAFS@FSNOTES, Larry Jones/R3/USDAFS@FSNOTES, Alan Belauskas/R3/USDAFS@FSNOTES, Tami Emmett/R3/USDAFS@FSNOTES, George McKay/R3/USDAFS@FSNOTES, Pete Schwab/R3/USDAFS@FSNOTES, Kendall Brown/R3/USDAFS@FSNOTES, Christopher C LeBlanc/R3/USDAFS@FSNOTES, Mary M Farrell/R3/USDAFS@FSNOTES, John Able/R3/USDAFS@FSNOTES, Teresa Ann Ciapusci/R3/USDAFS@FSNOTES, ccoyle@swca.com, tfurgason@swca.com
Subject
Rosemont Issue Statements and Units of Measure

Review and comment by Wed., IDT discussion July 22nd meeting...

[attachment "units_of_measure2.doc" deleted by Melinda D Roth/R3/USDAFS] [attachment "07132009_issue_statements_for IDT_review.doc" deleted by Melinda D Roth/R3/USDAFS]

Mindee Roth

Coronado National Forest
300 W. Congress, FB42
Tucson, AZ 85701
(520) 388-8319
(520) 396-0715 (cell)
(520) 388-8305 (FAX)

Re: Sept. 2 Rosemont Core team meeting and request for extended team input

From: debby kriegel/r3/usdafs;nsf;dkriegel@fs.fed.us;smtp
Sent: Mon Aug 31 2009 10:33:02 EDT
To: beverley a everson/r3/usdafs@fsnotes;melinda d roth/r3/usdafs@fsnotes
CC:
Subject: Re: Sept. 2 Rosemont Core team meeting and request for extended team input
Attachments: Issue_Resource Matrix.docx

Importance: Low
Priority: Normal
Sensitivity: None

Here's my rough input. Definitely needs some team discussion on Wednesday, because I have questions about this.

Beverley A Everson/R3/USDAFS
08/27/2009 06:03 PM

To
abelauskas@fs.fed.us, aelek@fs.fed.us, dkriegel@fs.fed.us, dsebesta@fs.fed.us, ecuriel@fs.fed.us, gmckay@fs.fed.us, jable@fs.fed.us, kbrown03@fs.fed.us, kellett@fs.fed.us, ljones02@fs.fed.us, Mary M Farrell/R3/USDAFS@FSNOTES, Melinda D Roth/R3/USDAFS@FSNOTES, mreichard@swca.com, rlefevre@fs.fed.us, sldavis@fs.fed.us, sshafiqullah@fs.fed.us, temmett@fs.fed.us, tfurgason@fs.fed.us, Walter Keyes/R3/USDAFS@FSNOTES, William B Gillespie/R3/USDAFS@FSNOTES, Kent C Ellett/R3/USDAFS@FSNOTES, mreichard@swca.com, tfurgason@swca.com, ccolyle@swca.com
cc

Subject
Sept. 2 Rosemont Core team meeting and request for extended team input

Please see the attachment with Mindee's email, below. We will be using this matrix in the IDT team meeting next Wednesday, to see what issues and corresponding units of measure overlap with one another. Core and extended team please look at the matrix and note where there is overlap in the X and Y axes, and describe the unit(s) of measure that would apply (refer to the issue statement table the team developed for a reference - in WebEx). Please provide your input on the matrix by September 2. We will compare what the team has for units of measure with a list that SWCA is compiling during the IDT meeting.

Meeting scheduling - the core team will be meeting in 6V6, from 9:00 to 4:30, with a half hour for lunch. Extended team, in particular heritage, is encourage to attend the meeting also if possible.

Agenda items for the meeting include: units of measure, 2010 Program of Work, project Gantt Chart, and a

review of recent meetings and updates on the project.

Please let me know if you have questions about the meeting or the prework for the meeting.

Bev

Beverley A. Everson
Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

Voice: 520-388-8428
Fax: 520-388-8305

----- Forwarded by Beverley A Everson/R3/USDAFS on 08/26/2009 05:44 PM -----

Melinda D Roth/R3/USDAFS
08/25/2009 03:37 PM

To
Beverley A Everson/R3/USDAFS@FSNOTES
cc

Subject
Issue Overlap Table

Use this one. It's formatted to fit 8 1/2 X 11 paper...

Mindee Roth
Coronado National Forest
300 W. Congress, FB42
Tucson, AZ 85701
(520) 388-8319
(520) 396-0715 (cell)
(520) 388-8305 (FAX)[attachment "Issue_Resource Matrix.docx" deleted by Debby Kriegel/R3/USDAFS]

From: melinda d roth/r3/usdafs;nsf;mroth@fs.fed.us;smtp
Sent: Tue Sep 07 2010 17:01:17 EDT
To: beverley a everson/r3/usdafs@fsnotes
CC: salek shafiqullah/r3/usdafs@fsnotes
Subject: Re: Fw: Final Technical Review of the Tt NRDC Report
Attachments:

Importance: Low
Priority: Normal
Sensitivity: None

The following message body may have embedded images.

I did a "find" for "Rosemont" and there were no matches. Bob L. might be interested in this report since climate chg. is couched in Air/GHG right now. Otherwise, this is informational, but I'm not sure it belongs in the Rosemont Project Record. Is that what you were thinking?

Mindee Roth
Coronado National Forest
300 W. Congress, FB42
Tucson, AZ 85701
(520) 388-8319
(520) 396-0715 (cell)
(520) 388-8305 (FAX)

Beverley A Everson/R3/USDAFS
09/07/2010 12:53 PM

To
Salek Shafiqullah/R3/USDAFS@FSNOTES, Melinda D Roth/R3/USDAFS@FSNOTES
cc

Subject
Fw: Final Technical Review of the Tt NRDC Report

FYI

Beverley A. Everson
Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

Voice: 520-388-8428
Fax: 520-388-8305

----- Forwarded by Beverley A Everson/R3/USDAFS on 09/07/2010 12:53 PM -----

Katherine Arnold <karnold@rosemontcopper.com>
09/07/2010 11:29 AM

To
Beverley Everson <beverson@fs.fed.us>, Tom Furgason <tfurgason@swca.com>
cc
Jamie Sturgess <jsturgess@augustaresource.com>, <mac.hartley@tetrattech.com>, David Krizek
<david.krizek@tetrattech.com>
Subject
Final Technical Review of the Tt NRDC Report

Bev -
Received this Technical Review of the Natural Resources Defense Council Report on groundwater from
Tetra Tech as a courtesy and wanted to provide it to your group for the record.
Regards,
Kathy
Katherine Ann Arnold, P.E. | Director of Environmental and Regulatory Affairs
Cell: 520.784.1972 | Main: 520.297.7723 | Fax 520.297.7724
karnold@rosemontcopper.com

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----- Forwarded Message
From: Pete Kowalewski <pete.kowalewski@tetrattech.com>
Date: Tue, 24 Aug 2010 11:16:42 -0500
To: Katherine Arnold <karnold@rosemontcopper.com>
Subject: Final Technical Review of the Tt NRDC Report

Kathy -
Attached is Tetra Tech's Technical Review of the paper prepared for the NRDC. As mentioned previously,
this review was prepared by Bob Ingersoll, Principal Consultant in our Salt Lake City office, with review
conducted by both Pete Kowalewski (Senior Consultant in SLC) and Ron Rimelman (Principal Consultant in
Golden, CO).

Please feel free to contact me or Bob if you have any further comments or concerns.

Regards,

Pete

Peter E. Kowalewski, P.E. | Vice President, Senior Consultant
Main: 801.364.1064 | Cell: 775.934.1245 | Fax 801.364.2021
E-mail: pete.kowalewski@tetrattech.com

Tetra Tech | Complex World, Clear Solutions(tm)
136 East South Temple, Suite 910 | Salt Lake City, Utah 84111 | www.tetrattech.com

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Beverley A Everson/R3/USDAFS
09/24/2009 06:28 PM

To
Salek Shafiqullah/R3/USDAFS@FSNOTES, Michael A Linden/R3/USDAFS@FSNOTES, Eli
Curiel/R3/USDAFS@FSNOTES, Walter Keyes/R3/USDAFS@FSNOTES, Mark E
Schwab/R3/USDAFS@FSNOTES, Roger D Congdon/R3/USDAFS@FSNOTES
cc

Subject
Fw: SRK review of geochemical test work prepared for Rosemont Copper

Beverley A. Everson
Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

Voice: 520-388-8428
Fax: 520-388-8305

----- Forwarded by Beverley A Everson/R3/USDAFS on 09/24/2009 05:27 PM -----

"Tom Furgason" <tfurgason@swca.com>
09/24/2009 03:43 PM

To
"Beverley A Everson" <beverson@fs.fed.us>, "Melinda D Roth" <mroth@fs.fed.us>
cc
"Charles Coyle" <ccoyle@swca.com>, "Dale Ortman PE" <daleortmanpe@live.com>, "Hoag, Cori"
<choag@srk.com>, "Melissa Reichard" <mreichard@swca.com>
Subject
FW: SRK review of geochemical test work prepared for Rosemont Copper

Bev,

Attached is SRK's review of the Preliminary Trip Report and Phase 1 Sampling and Analysis Plan (Vector, 2006) and Baseline Geochemical Characterization – Rosemont Copper (main text, Appendix A, and Appendix B) (Tetra Tech, 2007) submitted by Rosemont. Would it be possible for the CNF have its review of this document completed by the end of next week (Oct. 2) so that we may respond to SRK in a timely manner such that they can respond to any comments from your staff? Specifically, we need your specialists to comment on SRK's work in presenting their professional opinion, not on what additional information, if any, may be required from Rosemont. At the end of our comment period we will request SRK to edit their

memo or accept it as final. Should there be comments for SRK to consider, we anticipate their response to take one week. Then, based on the memo we may elect to pursue additional input from SRK and/or information from Rosemont. Feel free to contact Dale or me if you have any questions.

Tom Furgason
Program Director
SWCA Environmental Consultants
343 West Franklin Street
Tucson, AZ 85701
(520) 325-9194 ext. 110
(520) 820-5178 mobile
(520) 325-2033 fax

From: Hoag, Cori [mailto:choag@srk.com]
Sent: Thursday, September 24, 2009 11:54 AM
To: Charles Coyle; Tom Furgason
Cc: Dale Ortman PE; Bowell, Rob; Stone, Claudia
Subject: SRK review of geochemical test work prepared for Rosemont Copper

Charles and Tom,
Please find attached the review by SRK Consulting of two reports prepared by Vector (2006) and Tetra Tech (2007) on the geochemical test work performed for Rosemont Copper. Please let me know if you have any questions.

Regards, Cori

Corolla K Hoag, R.G.
Principal Geologist
SRK Consulting (U.S.), Inc.
3275 W. Ina Rd. Suite 240
Tucson, AZ 85741
Work: (520) 544-3688
Fax: (520) 544-9853
Mobile: (520) 400-4135

[attachment "Rosemont_PrelimGeochem_Review_183101_20090924_rb-ckh_FNL.pdf" deleted by Beverley A Everson/R3/USDAFS]

Re: Fw: trip reports

From: melinda d roth/r3/usdafs;nsf;mroth@fs.fed.us;smtp
Sent: Tue Dec 15 2009 15:46:03 EST
To: beverley a everson/r3/usdafs@fsnotes
CC:
Subject: Re: Fw: trip reports
Attachments:

Importance: Low
Priority: Normal
Sensitivity: None

I did not forward them for the record.

Mindee Roth
Coronado National Forest
300 W. Congress, FB42
Tucson, AZ 85701
(520) 388-8319
(520) 396-0715 (cell)
(520) 388-8305 (FAX)

Beverley A Everson/R3/USDAFS
12/14/2009 04:23 PM

To
Melinda D Roth/R3/USDAFS@FSNOTES, Larry Jones/R3/USDAFS@FSNOTES
cc

Subject
Fw: trip reports

Mindee and Larry,

Did either of you submit these to SWCA for the record, or should I forward them?

Bev

Beverley A. Everson
Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

Voice: 520-388-8428
Fax: 520-388-8305

----- Forwarded by Beverley A Everson/R3/USDAFS on 12/14/2009 04:21 PM -----

Larry Jones/R3/USDAFS
11/06/2009 02:36 PM

To
jim_rorabaugh@fws.gov, msredl@azgfd.gov, jason_douglas@fws.gov, Julia.Fonseca@rfcd.pima.gov,
Mike_Martinez@fws.gov, tfurgason@swca.com, Marcia_Radke@blm.gov, turner.dennis@azdeq.gov,
lagrignano@azwater.gov, rcasavant@azstateparks.gov, jsorensen@azgfd.gov, Cat_Crawford@fws.gov,
doug_duncan@fws.gov, Marit_Alanen@fws.gov, Jeff_Simms@blm.gov, sidner@u.arizona.edu,
JWindes@azgfd.gov, karen.howe@tonation-nsn.gov, tsnow@azgfd.gov, gsoroka@swca.com,
abest@westlandresources.com, SEhret@azgfd.gov, dtilton@azgfd.gov, mwalton@azgfd.gov, Richard A
Gerhart/R3/USDAFS@FSNOTES, Bobbi L Barrera/R3/USDAFS@FSNOTES, Deborah K
Sebesta/R3/USDAFS@FSNOTES, kkertell@swca.com, blindenlaub@westlandresources.com,
scott_richardson@fws.gov, Keith_Hughes@blm.gov, Marjorie.E.Blaine@usace.army.mil
cc
Melinda D Roth/R3/USDAFS@FSNOTES, Beverley A Everson/R3/USDAFS@FSNOTES
Subject
trip reports

Rosemont Coop Agency Bios:

Attached are three previous coop agency and FWS biologist field trip reports. We went out with WestLand to talk about their surveys and talk about the proposed Rosemont Copper Mine project and implications for the target taxa (Lesser Long-nosed Bat, talussnails, and Chiricahua Leopard Frogs). Part of the reason I put together this group email list is because many of the coop agency bios didn't know about the field trips. But, at least I can share the reports and we can plan trips in the future!

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Larry Jones
Wildlife, Fish, and Rare Plants
Coronado National Forest
300 W Congress
Tucson, AZ 85701

520-388-8375
ljones02@fs.fed.us

RE: mitigation for rosemont

From: "tom furgason" <tfurgason@swca.com>
Sent: Tue Dec 15 2009 19:13:31 EST
To: "melinda d roth" <mroth@fs.fed.us>; <beverson@fs.fed.us>
CC: "reta laford" <rlaford@fs.fed.us>; "jonathan rigg" <jrigg@swca.com>
Subject: RE: mitigation for rosemont
Attachments:

Importance: Low
Priority: Normal
Sensitivity: None

Bev and Mindee,

Did the ID Team review my mitigation section as submitted on Oct 16? As far as I can tell Alan is the only team member that provided comments and the remaining team just added some things to the table. While we can use the table in our discussions with Rosemont, the list is essentially the product that we worked on months ago and lacks ties to the FS Manual or any regulations. Can I expect any additional comments on my submittal?

Tom

From: Melinda D Roth [mailto:mroth@fs.fed.us]
Sent: Friday, December 11, 2009 4:55 PM
To: Jonathan Rigg; Tom Furgason
Subject: Fw: mitigation for rosemont

Sorry to keep dribbling in bits and pieces...See attachment for Heritage input...

Mindee Roth
Coronado National Forest
300 W. Congress, FB42
Tucson, AZ 85701
(520) 388-8319
(520) 396-0715 (cell)
(520) 388-8305 (FAX)

----- Forwarded by Melinda D Roth/R3/USDAFS on 12/11/2009 04:53 PM -----

Mary M Farrell/R3/USDAFS

12/11/2009 02:54 PM

To

Tami Emmett/R3/USDAFS@FSNOTES, Melinda D Roth/R3/USDAFS@FSNOTES

cc

Beverley A Everson/R3/USDAFS@FSNOTES, William B Gillespie/R3/USDAFS@FSNOTES, Debby Kriegel/R3/USDAFS@FSNOTES

Subject

mitigation for rosemontLink

Tami, thanks for sending out the list as it was last week. Bill Gillespie and I have added some mitigation measures for heritage issues in this version:

These are pretty preliminary but I send them so they don't get inadvertently left out.

Mary M. Farrell
Heritage Program Leader and Tribal Liaison
CoronadoNational Forest
300 W. Congress
Tucson, AZ 85701
(520) 388-8391

(520) 388-8305 (fax)

Tami Emmett/R3/USDAFS

12/03/2009 10:55 AM

To

Melinda D Roth/R3/USDAFS@FSNOTES, Beverley A Everson/R3/USDAFS@FSNOTES

CC

abelauskas@fs.fed.us, aelek@fs.fed.us, awcampbell@fs.fed.us, cablair@fs.fed.us, ccleblanc@fs.fed.us, dkriegel@fs.fed.us, dsebesta@fs.fed.us, ecuriel@fs.fed.us, gmckay@fs.fed.us, hschewel@fs.fed.us, ljones02@fs.fed.us, mfarrell@fs.fed.us, rlefevre@fs.fed.us, seanlockwood@fs.fed.us, sldavis@fs.fed.us, sshafiqullah@fs.fed.us, wgillespie@fs.fed.us, Walter Keyes/R3/USDAFS@FSNOTES, Jeremy J Sautter/R3/USDAFS@FSNOTES, Kendall Brown/R3/USDAFS@FSNOTES, Tami Emmett/R3/USDAFS@FSNOTES, Reta Laford/R3/USDAFS@FSNOTES

Subject

Re: Rosemont project schedule revised/Draft mitigation questionLink

Mindee - thanks for sharing this. This is the first time I've seen this document. I'm forwarding to a couple of people who weren't on your list.

When do you plan to forward the draft mitigation measures to SWCA? I'm wondering if some of the team

members who were not in attendance yesterday (i.e., extended and some core team members) would like to review their statements before forwarding this important document to SWCA. I'm rewriting some of the bullet statements under Lands. Will this be posted on the public internet site like some of our other draft documents? If so, some of our statements may need to be "tightened up." Tami

I'm also forwarding the document that Debby volunteered to put together for the Team.
(first draft)

Tami Emmett
Realty Specialist
CoronadoNational Forest, Region 3
Tucson, Arizona
520-388-8424 (office)
520-388-8305 (fax)

Melinda D Roth/R3/USDAFS

12/02/2009 03:19 PM

To

dkriegel@fs.fed.us, dsebesta@fs.fed.us, sldavis@fs.fed.us, sshafiqullah@fs.fed.us, wkeyes@fs.fed.us, hschewel@fs.fed.us, temmett@fs.fed.us, gmckay@fs.fed.us, rlefevre@fs.fed.us, aelek@fs.fed.us, abelauskas@fs.fed.us, ecuriel@fs.fed.us, mfarrell@fs.fed.us, wgillespie@fs.fed.us, ccleblanc@fs.fed.us, seanlockwood@fs.fed.us, ljones02@fs.fed.us, awcampbell@fs.fed.us, cablair@fs.fed.us

cc

tfurgason@swca.com, mreichard@swca.com

Subject

Rosemont project schedule revised

At today's IDT mtg., several people said they didn't see this msg. so I'm sending it again. Scroll to 2nd page for timeline.

Mindee Roth
CoronadoNational Forest
300 W. Congress, FB42
Tucson, AZ 85701
(520) 388-8319
(520) 396-0715 (cell)
(520) 388-8305 (FAX) [attachment "RosemontMOU_Mod04.pdf" deleted by Mary M Farrell/R3/USDAFS]
[attachment "Rosemont_Mitigation_120109.docx" deleted by Mary M Farrell/R3/USDAFS]

RE: Fw: trip reports

From: "melissa reichard" <mreichard@swca.com>
Sent: Wed Dec 16 2009 11:50:26 EST
To: "beverley a everson" <beverson@fs.fed.us>; "sarah l davis" <slDavis@fs.fed.us>
CC: "melinda d roth" <mroth@fs.fed.us>; "tom furgason" <tfurgason@swca.com>; "teresa ann ciapusci" <tciaPUSCI@fs.fed.us>; "reta laford" <rlaforD@fs.fed.us>
Subject: RE: Fw: trip reports
Attachments:

Importance: Low
Priority: Normal
Sensitivity: None

Ladies-

I think there might be some confusion on my part. All of the resource reports, tech memos, etc are things that my team are putting in the record. I think it is very necessary that if the specialists (FS & SWCA) have meeting notes, comments, reviews, etc that need to go in the record, they need to be the ones to designate that. Besides the intense time crunch that my team is dealing with in compiling this record, I feel pretty strongly that the resource specialists are the ones that should decide what goes in their record for their resource.

For the SWCA team, I have designated a folder labeled "For Record" that they can put files in and alert me so that I pull them off. This eliminates any confusion about what documents are representing work for that resource. If you are instructing your specialists to do otherwise, we need to schedule a small meeting to discuss this and the implications of it.

I look forward to your thoughts!

Melissa

"Science is organized knowledge. Wisdom is organized life." -Immanuel Kant

From: Larry Jones [mailto:ljones02@fs.fed.us]
Sent: Wednesday, December 16, 2009 9:33 AM
To: Beverley A Everson
Cc: Melinda D Roth; Melissa Reichard
Subject: Re: Fw: trip reports

I pdf'ed and put them into WebEx a while back, so according to our last IDT meeting, Melissa would have taken care of including them in the project record.

RE: Fw: trip reports

Larry Jones
Wildlife, Fish, and Rare Plants
Coronado National Forest
300 W Congress
Tucson, AZ 85701

520-388-8375
ljones02@fs.fed.us

Beverley A Everson/R3/USDAFS

12/14/2009 04:23 PM

To

Melinda D Roth/R3/USDAFS@FSNOTES, Larry Jones/R3/USDAFS@FSNOTES

cc

Subject

Fw: trip reports

Mindee and Larry,

Did either of you submit these to SWCA for the record, or should I forward them?

Bev

Beverley A. Everson
Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

Voice: 520-388-8428
Fax: 520-388-8305

----- Forwarded by Beverley A Everson/R3/USDAFS on 12/14/2009 04:21 PM -----

Larry Jones/R3/USDAFS

11/06/2009 02:36 PM

To

jim_rorabaugh@fws.gov, msredl@azgfd.gov, jason_douglas@fws.gov, Julia.Fonseca@rfcd.pima.gov, Mike_Martinez@fws.gov, tfurgason@swca.com, Marcia_Radke@blm.gov, turner.dennis@azdeq.gov, lagrignano@azwater.gov, rcasavant@azstateparks.gov, jsorensen@azgfd.gov, Cat_Crawford@fws.gov, doug_duncan@fws.gov, Marit_Alanen@fws.gov, Jeff_Simms@blm.gov, sidner@u.arizona.edu, JWindes@azgfd.gov, karen.howe@tonation-nsn.gov, tsnow@azgfd.gov, gsoroka@swca.com, abest@westlandresources.com, SEhret@azgfd.gov, dtilton@azgfd.gov, mwalton@azgfd.gov, Richard A Gerhart/R3/USDAFS@FSNOTES, Bobbi L Barrera/R3/USDAFS@FSNOTES, Deborah K Sebesta/R3/USDAFS@FSNOTES, kkertell@swca.com, blindenlaub@westlandresources.com, scott_richardson@fws.gov, Keith_Hughes@blm.gov, Marjorie.E.Blaine@usace.army.mil

cc

Melinda D Roth/R3/USDAFS@FSNOTES, Beverley A Everson/R3/USDAFS@FSNOTES

Subject

trip reports

Rosemont Coop Agency Bios:

Attached are three previous coop agency and FWS biologist field trip reports. We went out with WestLand to talk about their surveys and talk about the proposed Rosemont Copper Mine project and implications for the target taxa (Lesser Long-nosed Bat, talussnails, and Chiricahua Leopard Frogs). Part of the reason I put together this group email list is because many of the coop agency bios didn't know about the field trips. But, at least I can share the reports and we can plan trips in the future!

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Larry Jones
Wildlife, Fish, and Rare Plants
Coronado National Forest
300 W Congress
Tucson, AZ 85701

520-388-8375
ljones02@fs.fed.us

RE: Fw: trip reports

From: melinda d roth/r3/usdafs;nsf;mroth@fs.fed.us;smtp
Sent: Thu Dec 17 2009 10:58:06 EST
To: "sarah l davis" <slDavis@fs.fed.us>
"beverley a everson" <beverson@fs.fed.us>;"reta laford" <rlaford@fs.fed.us>;"teresa ann ciapusci"
CC: <tciapusci@fs.fed.us>;"tom furgason" <tfurgason@swca.com>;"melissa reichard"
<mreichard@swca.com>;melinda d roth/r3/usdafs@fsnotes
Subject: RE: Fw: trip reports
Attachments:

Importance: Low
Priority: Normal
Sensitivity: None

We have 2 folders established for the Rosemont project: J/fsfiles/office/eis/Rosemont/draft, and J/.../final
We could instruct the IDT to file docs in the draft folder, following a specific naming convention, including
Melissa's Project Record cover sheet. From there, the documents could be quickly reviewed, moved to the
"final" folder and sent to Melissa for the record. The "final" folder has some read/write restrictions and we
might need to change that, depending on how we decide this might work.

Mindee Roth
Coronado National Forest
300 W. Congress, FB42
Tucson, AZ 85701
(520) 388-8319
(520) 396-0715 (cell)
(520) 388-8305 (FAX)

"Melissa Reichard" <mreichard@swca.com>

12/16/2009 09:50 AM

To
"Beverley A Everson" <beverson@fs.fed.us>, "Sarah L Davis" <slDavis@fs.fed.us>
cc
"Melinda D Roth" <mroth@fs.fed.us>, "Tom Furgason" <tfurgason@swca.com>, "Teresa Ann Ciapusci"
<tciapusci@fs.fed.us>, "Reta Laford" <rlaford@fs.fed.us>
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Larry Jones
Wildlife, Fish, and Rare Plants
Coronado National Forest
300 W Congress
Tucson, AZ 85701

520-388-8375
ljones02@fs.fed.us

Beverley A Everson/R3/USDAFS

12/14/2009 04:23 PM

To
Melinda D Roth/R3/USDAFS@FSNOTES, Larry Jones/R3/USDAFS@FSNOTES
cc

Subject
Fw: trip reports

Mindee and Larry,

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Bev

Beverley A. Everson
Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

Voice: 520-388-8428
Fax: 520-388-8305

----- Forwarded by Beverley A Everson/R3/USDAFS on 12/14/2009 04:21 PM -----

Larry Jones/R3/USDAFS

11/06/2009 02:36 PM

To

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cc

Melinda D Roth/R3/USDAFS@FSNOTES, Beverley A Everson/R3/USDAFS@FSNOTES

Subject

trip reports

Rosemont Coop Agency Bios:

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Larry Jones
Wildlife, Fish, and Rare Plants
Coronado National Forest
300 W Congress
Tucson, AZ 85701

520-388-8375
ljones02@fs.fed.us

From: mary m farrell/r3/usdafs;nsf;mfarrell@fs.fed.us;smtp
Sent: Tue Jan 12 2010 19:15:09 EST
To: beverley a everson/r3/usdafs@fsnotes
CC: reta laford/r3/usdafs@fsnotes;william b gillespie/r3/usdafs@fsnotes;tfurgason@swca.com
Subject: Re: Jan. 13, 2010 Rosemont Extended IDT Meeting Agenda
Attachments:

Importance: Low
Priority: Normal
Sensitivity: None

Hi, Bev,

I was disturbed to hear that the edits Bill and I had submitted on the heritage sections of the mitigation table weren't incorporated into the version prepared for yesterday's meeting with Rosemont and SWCA -- sounds like a lot of unnecessary frustration and redundancy for all of you discussing the original version rather than what we had tried to fix!

From what I understand from talking to Bill, Jonathon did receive our changes by Jan 6 (my edits were posted on WebEx Dec 30), plus took notes at the meeting Monday, so there are plans afoot to fix it. The mitigation table sent out this afternoon still doesn't incorporate our changes, though, which makes me think:

(a) Jonathon hasn't had time to fix it yet and plans to do so later, or,
(b) the group editing mode, with all of us firing suggestions and sending our separate documents to Jonathon or posting them on WebEx, is not working well.

If either of these is right, you probably don't want Bill or I at the Wed and Thurs afternoon mitigation meetings, correct? Because if (a), it seems it'd be inefficient to go over the table again before he's incorporated the work we've already done. If (b), then perhaps it'd be easier for Bill or I to work one-on-one with Jonathon. But let me know if there's some third explanation out there, and it would be useful for me to come to the afternoon meetings!

It's late already today, and we can figure this out tomorrow morning, just wanted to let you know my question ahead of time. BTW, I really appreciate your calm and insightful leadership in this difficult process.

Mary

Mary M. Farrell
Heritage Program Leader and Tribal Liaison
Coronado National Forest
300 W. Congress
Tucson, AZ 85701
(520) 388-8391
(520) 388-8305 (fax)

Beverley A Everson/R3/USDAFS
01/12/2010 02:39 PM

To
dsebesta/R3/USDAFS@FSNOTES, dkriegel@fs.fed.us, ecuriel@fs.fed.us, gmckay@fs.fed.us,
kbrown03@fs.fed.us, kellett@fs.fed.us, ljones02@fs.fed.us, Mary M Farrell/R3/USDAFS@FSNOTES, Melinda
D Roth/R3/USDAFS@FSNOTES, mreichard@swca.com, rlefevre@fs.fed.us, sldavis@fs.fed.us,
sshafiqullah@fs.fed.us, temmett@fs.fed.us, tfurgason@swca.com, Walter Keyes/R3/USDAFS@FSNOTES,
William B Gillespie/R3/USDAFS@FSNOTES, Arthur S Elek/R3/USDAFS@FSNOTES, Charles A
Blair/R3/USDAFS@FSNOTES
cc

Subject
Jan. 13, 2010 Rosemont Extended IDT Meeting Agenda

Hi Everyone,

Enclosed is the agenda for the team meeting tomorrow. Note that this is an extended team meeting, and that it's in 6V6 rather than 4B (which is our usual meeting place for extended team meetings).

There have been concerns expressed by the team in some of our last several meetings about the project schedule and work priorities, and also regarding communication with SWCA on the project. I've asked Reta to attend part of the meeting tomorrow to address these concerns. This is the team's opportunity to speak up and share your thoughts on the project directly with line, and I hope that you'll take advantage of the opportunity.

In addition to the half day IDT meeting, there will also be an afternoon meeting, from 1:00 to 5:00, to review mitigation with SWCA and Rosemont. I would appreciate core and extended team participation in that meeting, and if possible, another meeting on Thursday (same time) to continue mitigation review. Both afternoon meetings will also be in 6V6.

Thank you,

Bev

[attachment "Jan. 13, 2010 IDT Meeting Agenda.docx" deleted by Mary M Farrell/R3/USDAFS]

Beverley A. Everson
Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

Voice: 520-388-8428
Fax: 520-388-8305

From: beverley a everson/r3/usdafs;nsf;beverson@fs.fed.us;smtp
Sent: Fri Jan 22 2010 15:51:48 EST
To: beverley a everson/r3/usdafs@fsnotes
aelek@fs.fed.us;charles a blair/r3/usdafs@fsnotes;deborah k
sebesta/r3/usdafs@fsnotes;dkriegel@fs.fed.us;ecuriel@fs.fed.us;gmckay@fs.fed.us;jrigg@swca.com;kbrown03@fs.fed.us;kellett@fs.fed.us;ljones02@fs.fed.us;mary
CC: m farrell/r3/usdafs@fsnotes;melinda d roth/r3/usdafs@fsnotes;mreichard@swca.com;reta
laford/r3/usdafs@fsnotes;rlefevre@fs.fed.us;sldavis@fs.fed.us;sshafiqullah@fs.fed.us;temmett@fs.fed.us;tfurgason@swca.com;walter
keyes/r3/usdafs@fsnotes;william b gillespie/r3/usdafs@fsnotes
Subject: Final filing area for DEIS review. Sorry for the changes and inconvenience
Attachments: Rosemont DEIS Review Jan. 2010.Ink

Importance: Normal
Priority: Normal
Sensitivity: None

This one is in fstmp, which everyone can access. Here's the shortcut.

Beverley A. Everson
Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

Voice: 520-388-8428
Fax: 520-388-8305

Re: Final filing area for DEIS review. Sorry for the changes and inconvenienced

From: william b gillespie/r3/usdafs;nsf;wgillespie@fs.fed.us;smtp
Sent: Fri Jan 22 2010 18:28:49 EST
To: beverley a everson/r3/usdafs@fsnotes;melinda d roth/r3/usdafs@fsnotes
CC: mary m farrell/r3/usdafs@fsnotes
Subject: Re: Final filing area for DEIS review. Sorry for the changes and inconvenienced
Attachments:

Importance: Low
Priority: Normal
Sensitivity: None

Bev and Mindee,

Mary and I have gone through the Cultural Resources sections of both Chapters 2 and 3 of the DEIS, combined our comments, and filed them in the form of Track Changes versions in the fstmp location. Most of the editorial suggestions we made are relatively minor. The biggest gap we see is the lack of discussion of cultural resource issues for the different alternatives. For each alternative with a different area of potential effect, we would like to see a discussions of numbers and types of known cultural resources and numbers of acres that have not been recently surveyed for archaeological sites. At present, Chapter 3 talks about "the 4 alternatives" while Chapter 2 discusses 7 alternatives. We have talked with Suzanne Griset about these items. If you are OK with what we have here, I'd suggest they go to Suzanne, Jerome Hesse, and Tom Ferguson.

William Gillespie, Archaeologist
Coronado National Forest
300 W Congress
Tucson AZ 85701
Phone 520-388-8392
FAX 520-388-8305

Beverley A Everson/R3/USDAFS
01/22/2010 01:51 PM

To
Beverley A Everson/R3/USDAFS@FSNOTES
CC
aelek@fs.fed.us, Charles A Blair/R3/USDAFS@FSNOTES, Deborah K Sebesta/R3/USDAFS@FSNOTES, dkriegel@fs.fed.us, ecuriel@fs.fed.us, gmckay@fs.fed.us, jrigg@swca.com, kbrown03@fs.fed.us, kelleth@fs.fed.us, ljones02@fs.fed.us, Mary M Farrell/R3/USDAFS@FSNOTES, Melinda D Roth/R3/USDAFS@FSNOTES, mreichard@swca.com, Reta Laford/R3/USDAFS@FSNOTES, rlefevre@fs.fed.us, sldavis@fs.fed.us, sshafiqullah@fs.fed.us, temmett@fs.fed.us, tfurgason@swca.com, Walter Keyes/R3/USDAFS@FSNOTES, William B Gillespie/R3/USDAFS@FSNOTES
Subject
Final filing area for DEIS review. Sorry for the changes and inconvenience

Re: Final filing area for DEIS review. Sorry for the changes and inconvenienced

This one is in fstmp, which everyone can access. Here's the shortcut.

[attachment "Rosemont DEIS Review Jan. 2010.Ink" deleted by William B Gillespie/R3/USDAFS]

Beverley A. Everson
Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

Voice: 520-388-8428

Fax: 520-388-8305

From: melinda d roth/r3/usdafs;nsf;mroth@fs.fed.us;smtp
Sent: Mon Feb 01 2010 10:21:12 EST
To: reta laford/r3/usdafs@fsnotes
CC: beverley a everson/r3/usdafs@fsnotes;jeanine derby/r3/usdafs@fsnotes
Subject: Re: Corps Alt -Re: Feb. 3 IDT meeting agenda (tentative)
Attachments:

Importance: Low
Priority: Normal
Sensitivity: None

Yes, and we would like to meet with Jeanine to provide our thoughts and understand what additional questions need to be answered to finalize the alternatives to be considered in detail.

Mindee Roth
Coronado National Forest
300 W. Congress, FB42
Tucson, AZ 85701
(520) 388-8319
(520) 396-0715 (cell)
(520) 388-8305 (FAX)

Reta Laford/R3/USDAFS
01/29/2010 05:49 PM

To
Beverley A Everson/R3/USDAFS@FSNOTES, Melinda D Roth/R3/USDAFS@FSNOTES
cc

Subject
Corps Alt -Re: Feb. 3 IDT meeting agenda (tentative)

Have you tackled working on merging the Corps alternative with ours?

Reta Laford, Deputy Forest Supervisor

USDA Forest Service, Coronado National Forest
300 W Congress Street, Tucson, AZ 85701

Phone: 520-388-8307 (office), 505-452-7557 (cell)
Fax: 520-388-8305
Email: rlaford@fs.fed.us

Beverley A Everson/R3/USDAFS
01/29/2010 05:31 PM

To
Beverley A Everson/R3/USDAFS@FSNOTES

cc

aelek@fs.fed.us, Charles A Blair/R3/USDAFS@FSNOTES, Deborah K Sebesta/R3/USDAFS@FSNOTES, dkriegel@fs.fed.us, ecuriel@fs.fed.us, gmckay@fs.fed.us, jrigg@swca.com, kbrown03@fs.fed.us, kellett@fs.fed.us, ljones02@fs.fed.us, Mary M Farrell/R3/USDAFS@FSNOTES, Melinda D Roth/R3/USDAFS@FSNOTES, mreichard@swca.com, Reta Laford/R3/USDAFS@FSNOTES, rlefevre@fs.fed.us, sldavis@fs.fed.us, sshafiqullah@fs.fed.us, temmett@fs.fed.us, tfurgason@swca.com, Walter Keyes/R3/USDAFS@FSNOTES, William B Gillespie/R3/USDAFS@FSNOTES

Subject

Feb. 3 IDT meeting agenda (tentative)

Here is the tentative agenda for our meeting. See you Wednesday.

Bev

[attachment "Feb. 3, 2010 IDT Meeting Agenda.docx" deleted by Reta Laford/R3/USDAFS]

Beverley A. Everson
Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701
Voice: 520-388-8428
Fax: 520-388-8305

From: william b gillespie/r3/usdafs;nsf;wgillespie@fs.fed.us;smt
Sent: Mon Feb 01 2010 15:17:01 EST
To: "Jonathan Rigg" <jrigg@swca.com>
CC: "Mary Farrell" <maryfarrellusfs@gmail.com>; "Tom Furgason" <tfurgason@swca.com>; sgriset@swca.com; melinda d
roth/r3/usdafs@fsnotes; beverley a everson/r3/usdafs@fsnotes
Subject: RE: Jan. 13, 2010 Rosemont Extended IDT Meeting Agenda
Attachments: Jonathon's 1-20-10 Heritage Section_mmfwbwg Comments.docx

Importance: Low
Priority: Normal
Sensitivity: None

Hello Jonathan,

Mary Farrell and I have gone through the Heritage section of the Mitigation table and have made comments/suggestions in Track Changes. Hope you can make sense of all this. If not, give us a call.

Bill G.

William Gillespie, Archaeologist
Coronado National Forest
300 W Congress
Tucson AZ 85701
Phone 520-388-8392
FAX 520-388-8305

"Jonathan Rigg" <jrigg@swca.com>
01/20/2010 01:25 PM

To
"Mary Farrell" <maryfarrellusfs@gmail.com>, "William B Gillespie" <wgillespie@fs.fed.us>
cc
"Tom Furgason" <tfurgason@swca.com>
Subject
RE: Jan. 13, 2010 Rosemont Extended IDT Meeting Agenda

Hi Mary and Bill,

I just got through the latest version of the Heritage Resource section of the mitigation table and, if possible, would you mind taking a look at it to see if I missed anything. This revised section reflects a combination of what we went over in the mitigation meeting with Rosemont and the emailed comments from Mary that I overlooked. With two different sources of edits, I would appreciate your vetting this version and/or editing

with track changes on. I will make sure it makes its way back into the next total compilation table. If you have any questions, feel free to call me.

Thanks!!

Jonathan Rigg
Environmental Planner
SWCA Environmental Consultants
343 West Franklin Street
Tucson, Arizona
Phone: (520) 325-9194
Fax: (520) 325-2033
Email: jrigg@swca.com
From: Mary Farrell [mailto:maryfarrellusfs@gmail.com]
Sent: Thursday, January 14, 2010 7:03 AM
To: Tom Furgason
Cc: Mary M Farrell; Beverley A Everson; Reta Laford; William B Gillespie; Jonathan Rigg; Suzanne Griset
Subject: Re: Jan. 13, 2010 Rosemont Extended IDT Meeting Agenda

Tom, thanks for your thoughtful reply. You and Jonathan are completely correct-- Maybe dumping all those versions on him the way we did was like asking him to weave straw into gold, without any Rumpelstiltskin to help! It seemed like people were giving him more of a chance to take notes at yesterday afternoon's meeting, thanks to his polite but firm requests for sentences and ideas to be restated more clearly when they needed to be.

Jonathan -- thanks for your patience and perseverance, I'm just starting to realize the difficulties (and the importance) of the job you have, capturing the critical elements of whatever consensus or questions we come up with. Bill Gillespie and I will be in the field tomorrow and today Bill is working on a law enforcement case, but if there's some time this afternoon when I can help you make the heritage changes in the mitigation tables, please send an email or call me. I'm working at home, 620-6804, but would be glad to come to your office if you need me to help sort out the confusion we caused, at least in the heritage section! Or next Friday or the following week, if that works better for you.

Thanks!

Mary Farrell

On Wed, Jan 13, 2010 at 7:41 AM, Tom Furgason <tfurgason@swca.com> wrote:
Mary,

Thank you for letting us know your concerns regarding our omission of the edits to the Heritage section of the mitigation table. I know that this type of error is frustrating when you and Bill provided timely input and worked hard to keep the process moving. The two points you make are valid:

Jonathan's time largely dedicated to the mitigation process. I talked to Jonathan after the last mitigation meeting and he informed me of the omission and felt that working with eight (8) versions of a 36-page table, submitted to him at various times, different people, and using a combination of WebEx and email directly led to the error. I have previously raised some concerns regarding the edit review process, but I'll revisit them with Bev and Mindee when I return to Tucson tomorrow.

I would also like to explain the purpose of the current round of mitigation meetings. Previously, these meetings were held for the benefit of the ID Team and SWCA. The ongoing meetings between the Coronado and Rosemont are both parties opportunity to negotiate mitigation that the Company will be bound by. These meetings are not for the benefit of SWCA. This is a very important step in the process and, while arduous, it is essential that the Specialists are 100 percent comfortable with the mitigation. It is entirely up to your management team whether you and Bill need to participate. Fortunately, Heritage Resources falls largely under Section 106 and mitigation is relatively straightforward. However, any minor

change or nuance in the mitigation language could impact mitigation of resources not clearly spelled out in regs.

Jonathan will bring the revised Heritage sections to today's meeting. I will be in and out of meetings this morning, but you can try calling me on my cell if you would like to discuss this further. I appreciate that you took the time to clearly articulate your concerns regarding the mitigation process.

Tom

(520) 820-5178

From: Mary M Farrell [mailto:mfarrell@fs.fed.us]
Sent: Tue 1/12/2010 5:22 PM
To: Beverley A Everson
Cc: Reta Laford; William B Gillespie; Tom Furgason
Subject: Re: Jan. 13, 2010 Rosemont Extended IDT Meeting Agenda

Hi, Bev,

I was disturbed to hear that the edits Bill and I had submitted on the heritage sections of the mitigation table weren't incorporated into the version prepared for yesterday's meeting with Rosemont and SWCA -- sounds like a lot of unnecessary frustration and redundancy for all of you discussing the original version rather than what we had tried to fix!

From what I understand from talking to Bill, Jonathon did receive our changes by Jan 6 (my edits were posted on WebEx Dec 30), plus took notes at the meeting Monday, so there are plans afoot to fix it. The mitigation table sent out this afternoon still doesn't incorporate our changes, though, which makes me think:

(a) Jonathon hasn't had time to fix it yet and plans to do so later, or,
(b) the group editing mode, with all of us firing suggestions and sending our separate documents to Jonathon or posting them on WebEx, is not working well.

If either of these is right, you probably don't want Bill or I at the Wed and Thurs afternoon mitigation meetings, correct? Because if (a), it seems it'd be inefficient to go over the table again before he's incorporated the work we've already done. If (b), then perhaps it'd be easier for Bill or I to work one-on-one with Jonathon. But let me know if there's some third explanation out there, and it would be useful for me to come to the afternoon meetings!

It's late already today, and we can figure this out tomorrow morning, just wanted to let you know my question ahead of time. BTW, I really appreciate your calm and insightful leadership in this difficult process.

Mary

Mary M. Farrell
Heritage Program Leader and Tribal Liaison

Coronado National Forest
300 W. Congress
Tucson, AZ 85701
(520) 388-8391
(520) 388-8305 (fax)

Beverley A Everson/R3/USDAFS
01/12/2010 02:39 PM

To
dsebesta/R3/USDAFS@FSNOTES, dkriegel@fs.fed.us, ecuriel@fs.fed.us, gmckay@fs.fed.us,
kbrown03@fs.fed.us, kellett@fs.fed.us, ljones02@fs.fed.us, Mary M Farrell/R3/USDAFS@FSNOTES, Melinda
D Roth/R3/USDAFS@FSNOTES, mreichard@swca.com, rlefevre@fs.fed.us, sldavis@fs.fed.us,
sshafiqullah@fs.fed.us, temmett@fs.fed.us, tfurgason@swca.com, Walter Keyes/R3/USDAFS@FSNOTES,
William B Gillespie/R3/USDAFS@FSNOTES, Arthur S Elek/R3/USDAFS@FSNOTES, Charles A
Blair/R3/USDAFS@FSNOTES
cc

Subject
Jan. 13, 2010 Rosemont Extended IDT Meeting Agenda

Hi Everyone,

Enclosed is the agenda for the team meeting tomorrow. Note that this is an extended team meeting, and that it's in 6V6 rather than 4B (which is our usual meeting place for extended team meetings).

There have been concerns expressed by the team in some of our last several meetings about the project schedule and work priorities, and also regarding communication with SWCA on the project. I've asked Reta to attend part of the meeting tomorrow to address these concerns. This is the team's opportunity to speak up and share your thoughts on the project directly with line, and I hope that you'll take advantage of the opportunity.

In addition to the half day IDT meeting, there will also be an afternoon meeting, from 1:00 to 5:00, to review mitigation with SWCA and Rosemont. I would appreciate core and extended team participation in that meeting, and if possible, another meeting on Thursday (same time) to continue mitigation review. Both afternoon meetings will also be in 6V6.

Thank you,

Bev
[attachment "Jan. 13, 2010 IDT Meeting Agenda.docx" deleted by Mary M Farrell/R3/USDAFS]

Beverley A. Everson
Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

Voice: 520-388-8428
Fax: 520-388-8305

[attachment "1-20-10 Heritage Section.docx" deleted by William B Gillespie/R3/USDAFS]

Fw: SOQ

From: beverley a everson/r3/usdafs;nsf;beverson@fs.fed.us;smtp
Sent: Mon Apr 21 2008 20:08:45 EDT
To: beverley a everson/r3/usdafs@fsnotes
CC:
Subject: Fw: SOQ
Attachments:

Importance: Low
Priority: Normal
Sensitivity: None

Beverley A. Everson
Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

Voice: 520-388-8428
Fax: 520-388-8305

----- Forwarded by Beverley A Everson/R3/USDAFS on 04/21/2008 05:08 PM -----

Maria A McGaha/R3/USDAFS
04/21/2008 03:53 PM

To
Beverley A Everson/R3/USDAFS@FSNOTES
cc
Michael A Linden/R3/USDAFS, Mark E Schwab/R3/USDAFS, Roger D Congdon/R3/USDAFS
Subject
Re: Fw: SOQ

Thanks, Bev.

Overall, the majority of the professionals have extensive international experience and little experience in Arizona. Arizona's environmental conditions are different and may encounter challenges the firm is unfamiliar with. I'd request the firm address experience with projects in Arizona (arid, dry climate, scarce water).

Also, most of the engineers are licensed as Professional Engineers, but only one registered in the State of Arizona. Terry Braun's is listed as registered engineer in Arizona. Dale Ortman, Dawn Garcia, Claudia Sone and Corola Hoag are registered in Arizona as a Professional Geologist.

Thanks!

Maria McGaha, PE

Fw: SOQ

Regional Environmental Engineer
Southwestern Regional Office
333 Broadway Blvd. SW
Albuquerque, NM 87102
(505) 842-3837
(505) 842-3150 FAX
mmcgha@fs.fed.us

Beverley A Everson/R3/USDAFS
04/11/2008 09:57 AM

To
Michael A Linden/R3/USDAFS@FSNOTES, Mark E Schwab/R3/USDAFS@FSNOTES, Roger D
Congdon/R3/USDAFS@FSNOTES, Maria A McGaha/R3/USDAFS@FSNOTES, Salek
Shafiqullah/R3/USDAFS@FSNOTES, Karyn B Harbour/R3/USDAFS@FSNOTES
cc

Subject
Fw: SOQ

The last of the resumes/statements of qualifications for specialists to supplement the third party NEPA team. Tom Furgason obtained permission for me to forward these to you, so Ken Black's stern notice below can be overlooked.

Bev

Beverley A. Everson
Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

Voice: 520-388-8428
Fax: 520-388-8305

----- Forwarded by Beverley A Everson/R3/USDAFS on 04/11/2008 08:54 AM -----

"Tom Furgason" <tfurgason@swca.com>
03/12/2008 08:51 AM

To
<beverson@fs.fed.us>
cc

Subject
FW: SOQ

-----Original Message-----

From: Black, Ken [mailto:kblack@srk.com]
Sent: Tuesday, March 04, 2008 2:56 PM
To: Tom Furgason
Cc: Hoag, Cori; Ortman, Dale
Subject: RE: SOQ

Tom
Please find attached an SOQ. This is an updated version that was shared with you earlier and includes an additional list of specialists in regulatory affairs, permitting and engineering.

If you have any questions please don't hesitate to call.

Regards,
Ken

Ken Black P. Eng
Principal Consultant
3275 West Ina Road, Suite 240
Tucson, AZ. 85741
kblack@srk.com
Phone: +1 520 544 3688
Fax: +1 520 544 9853
Mobile: +1 520 204 5220
www.srk.com

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-----Original Message-----

From: Ortman, Dale
Sent: Tuesday, March 04, 2008 9:29 AM
To: 'tfurgason@swca.com'
Cc: Black, Ken; Hoag, Cori
Subject: Re: SOQ

Tom,

Call Ken Black or Cori Hoag at our office and they can forward you the SOQ. Also, if there are any other technical specialties that were not included in the SOQ they can supply people to fit.

Fw: SOQ

It's a balmy morning here on the shores of of the Bering Sea..... Ice to the horizon....

I'll be back next Tuesday.

Dale
Dale Ortman
SRK Consulting
520-444-9463
Sent via BlackBerry

----- Original Message -----

From: Tom Furgason <tfurgason@swca.com>
To: Ortman, Dale
Cc: Beverley A Everson <beverson@fs.fed.us>
Sent: Tue Mar 04 07:38:18 2008
Subject: SOQ

Hi Dale,

Would it be possible to get an electronic copy of SRK's SOQ? Bev Everson would like to transmit your quals to some specialists in other offices for review. Ideally, we'd like the SOQ and resumes of key staff. I know that you are out this week, so let me know if there is somebody in the Tucson office that I should contact. Thanks.

Tom

[attachment "RosemontEIS_SOQ.pdf" deleted by Beverley A Everson/R3/USDAFS]

From: debby kriegel/r3/usdafs;nsf;dkriegel@fs.fed.us;smtp
Sent: Mon Feb 08 2010 10:06:41 EST
To: beverley a everson/r3/usdafs@fsnotes
CC:
Subject: Re: Fw: CNF veg layers file 1
Attachments:

Importance: Low
Priority: Normal
Sensitivity: None

Do you mean the CNF corporate database or the Rosemont database? Terry would know if it's in the forest's geodatabase. Isn't Lara compiling all the data for Rosemont? Can we get an update on this on Wed?

Sorry, I'm not much help.

Beverley A Everson/R3/USDAFS
02/07/2010 11:31 AM

To
Debby Kriegel/R3/USDAFS@FSNOTES, Melinda D Roth/R3/USDAFS@FSNOTES
cc

Subject
Fw: CNF veg layers file 1

Do either of you know if this information is in our GIS data?

Beverley A. Everson
Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

Voice: 520-388-8428
Fax: 520-388-8305

----- Forwarded by Beverley A Everson/R3/USDAFS on 02/07/2010 11:26 AM -----

"Tom Furgason" <tfurgason@swca.com>
11/06/2009 01:31 PM

To
"Beverley A Everson" <beverson@fs.fed.us>
cc
"Melissa Reichard" <mreichard@swca.com>
Subject
FW: CNF veg layers file 1

Bev,

Per our conversation earlier today, this is the information that we transmitted to Westland.

Tom

From: Lara Mitchell
Sent: Friday, November 06, 2009 1:10 PM
To: abest@westlandresources.com
Cc: Ken Kertell; Tom Furgason
Subject: CNF veg layers file 1

Amanda,

The attached file is the CNF base veg layer, downloadable for the CNF website. I'll send another email with the MidScaleDominanceTypes, they are too large to email together.

-Lara[attachment "Base_Vegetation_Location.shx" deleted by Debby Kriegel/R3/USDAFS] [attachment "Base_Vegetation_Location.dbf" deleted by Debby Kriegel/R3/USDAFS] [attachment "Base_Vegetation_Location.idx" deleted by Debby Kriegel/R3/USDAFS] [attachment "Base_Vegetation_Location.prj" deleted by Debby Kriegel/R3/USDAFS] [attachment "Base_Vegetation_Location.sbn" deleted by Debby Kriegel/R3/USDAFS] [attachment "Base_Vegetation_Location.sbx" deleted by Debby Kriegel/R3/USDAFS] [attachment "Base_Vegetation_Location.shp" deleted by Debby Kriegel/R3/USDAFS] [attachment "Base_Vegetation_Location.shp.xml" deleted by Debby Kriegel/R3/USDAFS]

From: mary m farrell/r3/usdafs;nsf;mfarrell@fs.fed.us;smtp
Sent: Tue Feb 09 2010 16:55:30 EST
To: melinda d roth/r3/usdafs@fsnotes
arthur s elek/r3/usdafs@fsnotes;beverley a everson/r3/usdafs@fsnotes;charles a blair/r3/usdafs@fsnotes;deborah k
CC: sebesta/r3/usdafs@fsnotes;dkriegel@fs.fed.us;ecuriel@fs.fed.us;gmckay@fs.fed.us;jrigg@swca.com;kbrown03@fs.fed.us;kellett@fs.fed.us;ljones02@fs.fed.us;mreichard@swca.com;reta laford/r3/usdafs@fsnotes;rlefevre@fs.fed.us;sldavis@fs.fed.us;sshafiqullah@fs.fed.us;temmett@fs.fed.us;tfurgason@swca.com;walter keyes/r3/usdafs@fsnotes;william b gillespie/r3/usdafs@fsnotes
Subject: Re: Feb. 10, 2010 Extended IDT Meeting Agenda.docx
Attachments:

Importance: Low
Priority: Normal
Sensitivity: None

Mindee, I've been struggling with 2 questions and if there's time, I wonder if we could get guidance at the meeting tomorrow, or at least make sure I'm framing the questions correctly?

1. What's the best way to define the area of analysis for cumulative effects? Bill and I suspect this would be different for each resource, and we have one example for cultural resources (from Carlota Mine), but it isn't exactly comparable. For archaeology, it might make sense to define the bounds of analysis as everywhere there are sites of similar age and cultural affiliation; for tribal concerns, it could include the aboriginal territories of all tribes who continue to have ties to the project area.

2. What documents need to go into the DEIS appendix/appendices?

See you tomorrow.

Mary

Mary M. Farrell
Heritage Program Leader and Tribal Liaison
Coronado National Forest
300 W. Congress
Tucson, AZ 85701
(520) 388-8391
(520) 388-8305 (fax)

Melinda D Roth/R3/USDAFS
02/09/2010 08:33 AM

To
Beverley A Everson/R3/USDAFS@FSNOTES
cc
Arthur S Elek/R3/USDAFS@FSNOTES, Beverley A Everson/R3/USDAFS@FSNOTES, Charles A Blair/R3/USDAFS@FSNOTES, Deborah K Sebesta/R3/USDAFS@FSNOTES, dkriegel@fs.fed.us, ecuriel@fs.fed.us, gmckay@fs.fed.us, jrigg@swca.com, kbrown03@fs.fed.us, kellett@fs.fed.us, ljones02@fs.fed.us, Mary M Farrell/R3/USDAFS@FSNOTES, mreichard@swca.com, Reta Laford/R3/USDAFS@FSNOTES, rlefevre@fs.fed.us, sldavis@fs.fed.us, sshafiqullah@fs.fed.us, temmett@fs.fed.us, tfurgason@swca.com, Walter Keyes/R3/USDAFS@FSNOTES, William B Gillespie/R3/USDAFS@FSNOTES
Subject
Re: Feb. 10, 2010 Extended IDT Meeting Agenda.docx

See you in 6V6.

Mindee Roth
Coronado National Forest
300 W. Congress, FB42
Tucson, AZ 85701
(520) 388-8319
(520) 396-0715 (cell)
(520) 388-8305 (FAX)

Beverley A Everson/R3/USDAFS
02/06/2010 04:51 PM

To
Charles A Blair/R3/USDAFS@FSNOTES, Deborah K Sebesta/R3/USDAFS@FSNOTES, dkriegel@fs.fed.us, ecuriel@fs.fed.us, gmckay@fs.fed.us, jrigg@swca.com, kbrown03@fs.fed.us, kellett@fs.fed.us, ljones02@fs.fed.us, Mary M Farrell/R3/USDAFS@FSNOTES, Melinda D Roth/R3/USDAFS@FSNOTES, mreichard@swca.com, Reta Laford/R3/USDAFS@FSNOTES, rlefevre@fs.fed.us, sldavis@fs.fed.us, sshafiqullah@fs.fed.us, temmett@fs.fed.us, tfurgason@swca.com, Walter Keyes/R3/USDAFS@FSNOTES, William B Gillespie/R3/USDAFS@FSNOTES, Arthur S Elek/R3/USDAFS@FSNOTES, Beverley A Everson/R3/USDAFS@FSNOTES
cc

Subject
Feb. 10, 2010 Extended IDT Meeting Agenda.docx

The agenda for the meeting is attached. Note that this is an extended team meeting, and that it will be a half day. I will need to double check the meeting room and get back to you to confirm; the meeting will either be in 6V6 or 4B.

Beverley A. Everson
Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

Voice: 520-388-8428
Fax: 520-388-8305

[attachment "Feb. 10, 2010 IDT Meeting Agenda.docx" deleted by Mary M Farrell/R3/USDAFS]

014348
2008 09 29
46 (3)



Jeanine Derby /R3/USDAFS
09/29/2008 11:34 AM

To Mary M Farrell/R3/USDAFS@FSNOTES
cc Reta Laford/R3/USDAFS@FSNOTES, Teresa Ann Ciapusci/R3/USDAFS@FSNOTES
bcc
Subject Re: Draft notes from CNF presentation to T.O. Tribal Council


When the nation is invited as "cooperating agency" they will be asked to tell us what is their area of jurisdiction and/or expertise. They could identify Mining Expertise, and any other type of expertise that they feel qualified to contribute. That would be in addition to our ongoing government to government consultation. Maybe you could send one letter addressing both types of consulting so that they know that cooperating agency status means additional, focused input at appropriate times during the process. Another option would be for the tribe to participate in the Udall Institute for Conflict Resolution working groups that identifies the issues.

Jeanine Derby, Forest Supervisor
Coronado National Forest
phone: 520 388-8306
FAX: 520 388-8305
Mary M Farrell/R3/USDAFS



Mary M Farrell /R3/USDAFS
09/29/2008 09:35 AM

To Jeanine Derby/R3/USDAFS@FSNOTES
cc beverson@fs.fed.us, Reta Laford/R3/USDAFS@FSNOTES, "Suzanne Griset" <sgriset@swca.com>, "Tom Euler" <teuler@swca.com>, "Tom Furgason" <tfurgason@swca.com>, William B Gillespie/R3/USDAFS@FSNOTES, Andrea W Campbell/R3/USDAFS@FSNOTES
Subject Re: Draft notes from CNF presentation to T.O. Tribal Council


Suzanne,

thanks -- way better notes than I would have taken! A couple typos marked in this version:



Mtg with TO Tribal Council Sep 12 08_mmf.doc

Jeanine,

In your correction, are you saying that the Nation will be invited to be a cooperating agency under NEPA as well as a consulting party under NHPA? I think that's a great idea, because it puts the Nation on a par with Pima County, and a lot of the Nation's concerns will be the same as the County's, and have nothing to do with NHPA. If so, would this re-wording work to clarify Udall Center's role in public working groups vs our gov't-to-gov't relationship with the tribes?

Jeanine responded that the Coronado National Forest welcomes input from the Tohono O'odham Nation and will issue a formal invitation for the Nation to participate as a

“cooperating agency” under NEPA as well as a “consulting party” under the National Historic Preservation Act. Jeanine also noted that the CNF has engaged the Udall Institute to form and manage public working groups to work on a separate track supporting the NEPA process.

I should admit that I haven't ever worked on an EIS that had formal cooperating agencies and don't know what all it entails. Does it make more sense for departments of the Nation (e.g. natural resources, mining) to be cooperating agencies, or the Nation as a whole?

Mary M. Farrell
Forest Archaeologist
Coronado National Forest
300 W. Congress
Tucson, AZ 85701
(520) 388-8391
(520) 388-8305 (fax)
Jeanine Derby/R3/USDAFS



Jeanine Derby /R3/USDAFS

09/29/2008 08:27 AM

To "Suzanne Griset" <sgriset@swca.com>

cc beverson@fs.fed.us, mfarrell@fs.fed.us, "Tom Euler" <teuler@swca.com>, "Tom Furgason" <tfurgason@swca.com>, William B Gillespie/R3/USDAFS@FSNOTES, Reta Laford/R3/USDAFS@FSNOTES

Subject Re: Draft notes from CNF presentation to T.O. Tribal Council



Thanks for your notes. There is some confusion between cooperating agencies and working groups in the notes. In paragraph 4 of notes, please make this correction. "Coronado National Forest has engaged the Udall Institute to form and manage **public working groups** to work on a separate track supporting the NEPA process." (The public working groups will complete specific tasks ,such as evaluating public comments and developing issues for alternatives.)

Jeanine Derby, Forest Supervisor
Coronado National Forest
phone: 520 388-8306
FAX: 520 388-8305
"Suzanne Griset" <sgriset@swca.com>



"Suzanne Griset "
<sgriset@swca.com>

09/26/2008 03:16 PM

To <mfarrell@fs.fed.us>, <wgillespie@fs.fed.us>, <beverson@fs.fed.us>

cc "Jeanine Derby" <jderby@fs.fed.us>, "Tom Euler" <teuler@swca.com>, "Tom Furgason" <tfurgason@swca.com>

Subject Draft notes from CNF presentation to T.O. Tribal Council

Mary mentioned that Kendra might have taken notes, but since we haven't had a response to email inquiries, I thought I would transcribe my notes while they still make sense. I will contact Chairman Jose to see if there is a transcript available of the presentation. In the meantime, would those of you who attended and have notes, please review these and send me your comments/revisions?

Many thanks,

Suzanne <<Mtg with TO Tribal Council Sep 12 08.doc>> [attachment "Mtg with TO Tribal Council Sep 12 08.doc" deleted by Mary M Farrell/R3/USDAFS]



"Tom Furgason"
<tfurgason@swca.com>
06/02/2010 04:57 PM

To "Debby Kriegel" <dkriegel@fs.fed.us>, "Melinda D Roth"
<mroth@fs.fed.us>

cc

bcc

Subject RE: Fw: Letter accepting Schor's final product

Debby,

Trent opened the AutoCAD file and confirmed that it could be used for 3D modeling. Some of the values needed to be modified, but the file contained enough data for SWCA to complete the work.

My first step was to confirm with Dale that this was acceptable. He was fine with it, so I just needed your confirmation. Thank you.

Tom

From: Debby Kriegel [mailto:dkriegel@fs.fed.us]
Sent: Wednesday, June 02, 2010 2:38 PM
To: Melinda D Roth; Tom Furgason
Subject: Re: Fw: Letter accepting Schor's final product

Tom and Mindee,

I was unaware of what software program Horst was using, and I don't have the full version of Acad (so I can't actually open these files), but if there are z coordinates, it sounds like a 3D model to me, so it should be sufficient.

I recommend checking with Dale just to be sure.

Thanks.

~~~~~  
Debby Kriegel, RLA  
Landscape Architect  
Coronado National Forest  
300 W. Congress  
Tucson, AZ 85701  
(520) 388-8427  
Fax (520) 388-8305  
[www.fs.fed.us/r3/coronado/](http://www.fs.fed.us/r3/coronado/)  
[dkriegel@fs.fed.us](mailto:dkriegel@fs.fed.us)

Melinda D Roth/R3/USDAFS

06/02/2010 02:10 PM

To Debby Kriegel/R3/USDAFS@FSNOTES

cc

Subject Fw: Letter accepting Schor's final product

Do the referenced AutoCAD files complete Schor's deliverables? If yes, would you send an email to Tom clarifying full payment processing OK? Thx.

Mindee Roth  
Coronado National Forest  
300 W. Congress, FB42  
Tucson, AZ 85701  
(520) 388-8319  
(520) 396-0715 (cell)  
(520) 388-8305 (FAX)

----- Forwarded by Melinda D Roth/R3/USDAFS on 06/02/2010 02:09 PM -----

"Tom Furgason"  
<tfurgason@swca.com>

To "Melinda D Roth" <mroth@fs.fed.us>, <daleortmanpe@live.com>, "Melissa Reichard"  
<mreichard@swca.com>

06/02/2010 11:53 AM

CC: "Debby Kriegel" <dkriegel@fs.fed.us>, "Beverley A Everson" <beverson@fs.fed.us>  
Subject: RE: Letter accepting Schor's final product  
t

Mindee,

Attached are the model files. We opened the AutoCAD file (.dwg) and confirmed that it contains the requisite z-coordinates.

Tom

**From:** Melinda D Roth [mailto:mroth@fs.fed.us]  
**Sent:** Friday, May 28, 2010 12:16 PM  
**To:** daleortmanpe@live.com; Melissa Reichard  
**Cc:** Debby Kriegel; Beverley A Everson; Tom Furgason  
**Subject:** Letter accepting Schor's final product

Dale: Still need digital 3D model  
Melissa: for the record

Mindee Roth  
Coronado National Forest  
300 W. Congress, FB42  
Tucson, AZ 85701

(520) 388-8319

(520) 396-0715 (cell)

(520) 388-8305 (FAX)[attachment "conceptc-exchange.dgn" deleted by Melinda D Roth/R3/USDAFS]  
[attachment "conceptc-exchange.dwg" deleted by Melinda D Roth/R3/USDAFS] [attachment  
"conceptc-exchange.dxf" deleted by Melinda D Roth/R3/USDAFS]

Debby Kriegel/R3/USDAFS  
02/17/2010 03:22 PM

To "Marcie Bidwell" <mbidwell@swca.com>  
cc Debby Kriegel/R3/USDAFS@FSNOTES  
bcc  
Subject RE: RSM 138kV Transmission Line Project - Simulation view  
3 photos 

Marcie,

Chelsa would like to set up a phone call with you and me (and possibly Kent) on Friday to discuss this. Sounds like Friday morning would work for you.

You don't sound very excited about B, and I'm not either. It bothers me that they couldn't find a photo point with less vegetation screening. Do we need to discuss this on Friday before we talk to Chelsa?

The answer to the question is #2. A 1000 ft. wide corridor gives a lot of wiggle room to put the line down in a canyon or up on a ridgetop (or most likely, some combination). If EPG won't be identifying a more precise route, I guess any of your simulations that include a power line will have to show the visually worst-case scenario (ridgetops).

Debby

"Marcie Bidwell" <mbidwell@swca.com>



"Marcie Bidwell"  
<mbidwell@swca.com>  
02/17/2010 02:59 PM

To "Debby Kriegel" <dkriegel@fs.fed.us>, "Kent C Ellett"  
<kellett@fs.fed.us>  
cc  
Subject RE: RSM 138kV Transmission Line Project - Simulation view  
3 photos

Debby,

Sorry to be slow on responding to this. Option B, for the reasons that you describe, could work well.

For Option A, not all of the poles should be hidden by veg. But I think the proximity of the line in B works for me.

As to your questions below regarding the 1000ft corridor, are you saying because (1) there is only one alternative and that is to place the line in this corridor, or (2) because there isn't a refinement of the corridor into sub-options for the routing? (200 feet right or left of this placement, for instance).

I am available Friday morning if you would like to discuss further.

Marcie

**From:** Debby Kriegel [mailto:dkriegel@fs.fed.us]

**Sent:** Friday, February 12, 2010 7:14 AM  
**To:** Marcie Bidwell; Kent C Ellett  
**Cc:** Debby Kriegel  
**Subject:** Fw: RSM 138kV Transmission Line Project - Simulation view 3 photos

Marcie and Kent:

Before we respond to Chelsa, I'd like the 3 of us to be on the same page.

Here's what it looks like to me...

View A: both poles would be screened by vegetation, so the only thing that would be visible in this view would be the wires (silhouetted on sky).

View B: one pole would be clearly visible, and the wires would be silhouetted on sky.

View C: one pole would be visible, and the lines would be silhouetted on topography, but the visible portions are all far to the right of the road.

View D: one pole would be visible, and the lines would be silhouetted on topography, all in a more distant view (granted, it may only be 1/4 mile).

I vote for view B because:

1. It's located at a KOP (and even includes an OHV sign for reference)
2. It shows both a pole and wires
3. Wires are silhouetted on sky, so they'll show up in the simulation

Your thoughts?

I'm a little bothered that Marc (EPG's landscape architect) won't be doing any site-specific siting. This is something I requested long ago and EPG indicated would be done. Marcie: how will you estimate effects and simulate power lines if there is only a 1000' wide study corridor proposed?

----- Forwarded by Debby Kriegel/R3/USDAFS on 02/12/2010 07:13 AM -----

"Chelsa Johnson"  
<Cjohnson@epgaz.com>

To "Debby Kriegel" <dkriegel@fs.fed.us>, <kellet@fs.fed.us>, "Marcie Bidwell" <mbidwell@swca.com>  
cc "Lauren Weinstein" <Lweinst@epgaz.com>, "Marc Schwartz" <mschwartz@epgaz.com>, "Emily Belts" <EBelts@epgaz.com>, "Kathy Arnold" <karnold@rosemontcopper.com>, <EBeck@Tep.com>  
Subj RSM 138kV Transmission Line Project - Simulation view 3 photos  
ect

02/11/2010 04:09 PM

Debby,

EPG has reviewed the simulation photos taken at Simulation view 3, at the junction of Link 160 and Box Canyon Road, and we would like to move forward with rendering the simulation. Per your request, we have provided a selection of viewpoints for your review and would appreciate your input regarding the final view point selection for the approved simulation (1 simulation on Box Canyon Road).

Please review the attached simulation map with the selected photos and wireframe representations. Please note that the photos are of the existing conditions and the wireframes are quick sketch of the proposed conditions (we are still finalizing engineering details for the insulators and conductors). Per TEP engineers, the structures are anticipated to be 88' in height for suspension structures and 100' for turning/deadend structures with a span of 700', which is typical for a 138kV transmission line. These wireframe representations, or "mini-simulations", were modeled using AutoCAD for each selected simulation view point. As with simulations, wireframes provide the visual resource specialist an additional tool to analyze the contrast of the project, specifically in terms of structure form and landscape form and line. The full simulation will put the transmission line structure in the photograph and simulate any removal of vegetation and/or grading associated with the project.

Based on our field investigations and the wireframe models, we would recommend using Option D, approximately ¼ mile from the crossing of Link 160, viewing northwest towards Box Canyon. It represents a typical foreground viewing condition for recreation users heading towards Box Canyon or other Concern Level 1 roads. I believe Option B is located at one of your KOP locations so it may be worth discussing.

Also, Marc and I have discussed your comments pertaining to site specific mitigation and location of the structures within the forest to minimize visual impacts. Our simulations would represent the typical structure height and span anticipated because engineering has not been finalized. I think it would be a good idea to keep these recommendations on file for detailed discussion with TEP's engineers at a later date.

If you have any questions or would like to discuss these options, please let me know and we can arrange a conference call or a session using gotomy meeting to view the document.

Thanks!

**Chelsa Johnson**  
Project Coordinator/Visual Resource Specialist

**epg**

**Environmental Planning Group**

Phoenix, Arizona

602-956-4370 phone

602-956-4374 fax

<http://www.epgaz.com>

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[attachment "Simulation Map\_Box Canyon.pdf" deleted by Debby Kriegel/R3/USDAFS]



"Stephen Leslie"  
<sleslie@swca.com>  
07/10/2009 08:35 AM

To "Debby Kriegel" <dkriegel@fs.fed.us>  
cc  
bcc  
Subject FW: Recreation and Wilderness Bounds of Analysis -  
Rosemont

History:  This message has been replied to.

**From:** Lara Mitchell  
**Sent:** Wednesday, July 08, 2009 2:11 PM  
**To:** Stephen Leslie  
**Subject:** RE: Recreation and Wilderness Bounds of Analysis - Rosemont

here is the bounds of analysis map we are using for now for the visual, let me know if you would like to use this for the rec.  
-Lara

**From:** Stephen Leslie  
**Sent:** Monday, June 15, 2009 8:26 AM  
**To:** Lara Mitchell  
**Cc:** Charles Coyle  
**Subject:** RE: Recreation and Wilderness Bounds of Analysis - Rosemont

I will let you know once Debby and I have had a chance to discuss.

Thanks,  
Steve

---

**From:** Lara Mitchell  
**Sent:** Monday, June 15, 2009 8:25 AM  
**To:** Stephen Leslie  
**Cc:** Charles Coyle  
**Subject:** RE: Recreation and Wilderness Bounds of Analysis - Rosemont

Let me know when you have the final geographic bounds of analysis defined and I'll create the map for you. If what you describe in the text attached to your email is final just let me know and I'll get started on it.

Thanks  
Lara

**From:** Stephen Leslie  
**Sent:** Monday, June 15, 2009 8:08 AM  
**To:** Debby Kriegel  
**Cc:** Charles Coyle; Marcie Bidwell; Lara Mitchell  
**Subject:** Recreation and Wilderness Bounds of Analysis - Rosemont

Debby,

Welcome back. Here is an initial draft of the bounds of analysis for recreation and wilderness. I'll be available to discuss further and refine this as necessary when you get a chance.

Thanks,  
Steve Leslie  
Environmental Planner  
SWCA Environmental Consultants  
2820 West Charleston Boulevard, Suite 15  
Las Vegas, Nevada 89102  
702-248-3880[attachment "visual.pdf" deleted by Debby Kriegel/R3/USDAFS]



"Trent Reeder"  
<[treeder@swca.com](mailto:treeder@swca.com)>  
07/24/2009 02:40 PM

To "Debby Kriegel" <[dkriegel@fs.fed.us](mailto:dkriegel@fs.fed.us)>, "Marcie Bidwell"  
<[mbidwell@swca.com](mailto:mbidwell@swca.com)>

cc

bcc

Subject Rosemont Terrain Profiles

History:

 This message has been replied to.

Hi Debby,

I have attached a PDF with Profile Line Graphs showing a crosscut section of both the existing terrain and the Proposed Action terrain. The graphs represent the results of a Line of Sight Analysis that entails drawing a line from an observer point (KOP 12), to a target location for which was an arbitrary spot on the other side of the ridge. I made sure the line would dissect the proposed pit and cut across the pit floor for greatest elevation change. The Green and Red line colors represent sections that would be visible (Green) and sections not visible (red) from KOP 12.

Please let me know if you have additional questions. Thanks!

Trent Reeder

GIS Specialist

SWCA Environmental Consultants

[treeder@swca.com](mailto:treeder@swca.com)

130 Rock Point Dr. Suite A

Durango, Colorado 81303

Work (970) 385-8566

Fax (970) 385-1938

[www.swca.com](http://www.swca.com)

[attachment "MPO Profile.pdf" deleted by Debby Kriegel/R3/USDAFS]

Date: Wed, 10 Feb 2010 08:34:47 -0600

To: Marcie Bidwell <[mbidwell@swca.com](mailto:mbidwell@swca.com) <[mbidwell@swca.com](mailto:mbidwell@swca.com)> >

Cc: David Krizek <[david.krizek@tetrattech.com](mailto:david.krizek@tetrattech.com) <[david.krizek@tetrattech.com](mailto:david.krizek@tetrattech.com)> >, Katherine Arnold <[karnold@rosemontcopper.com](mailto:karnold@rosemontcopper.com) <[karnold@rosemontcopper.com](mailto:karnold@rosemontcopper.com)> >, Tom Furgason <[tfurgason@swca.com](mailto:tfurgason@swca.com) <[tfurgason@swca.com](mailto:tfurgason@swca.com)> >, Trent Reeder <[treeder@swca.com](mailto:treeder@swca.com) <[treeder@swca.com](mailto:treeder@swca.com)> >, Debby Kriegel <[dkriegel@fs.fed.us](mailto:dkriegel@fs.fed.us) <[dkriegel@fs.fed.us](mailto:dkriegel@fs.fed.us)> >

Subject: Re: For USFS direction: RCC Viewshed analysis

Simulations created for visual resource analysis and the EIS must be honest and accurate depictions of what the alternative would look like. They need to include stormwater management features, such as benches, if these features would be required. It is not appropriate to simulate 3:1 smooth top-to-bottom slopes if benches will be necessary (I'm assuming that this is what you're calling "angular grading" from Tetra Tech).

Golder's work will be complete on Monday, and the results may indicate that fewer benches are required. Horst Schor's work is expected to create more natural forms to deal with stormwater. Both of these would lessen effects to visual quality and should be incorporated as much as possible into alternatives and resulting simulations.

The exception would be the MPO, which doesn't have a stormwater grading plan. I recommend printing a disclaimer statement regarding this on the MPO simulations.

Thanks.

Debby Kriegel

"Marcie Bidwell" <[mbidwell@swca.com](mailto:mbidwell@swca.com) <[mbidwell@swca.com](mailto:mbidwell@swca.com)> > 02/09/2010 02:36 PM

To

"Krizek, David" <[David.Krizek@tetrattech.com](mailto:David.Krizek@tetrattech.com) <[David.Krizek@tetrattech.com](mailto:David.Krizek@tetrattech.com)> >, "Debby Kriegel" <[dkriegel@fs.fed.us](mailto:dkriegel@fs.fed.us) <[dkriegel@fs.fed.us](mailto:dkriegel@fs.fed.us)> >, "Tom Furgason" <[tfurgason@swca.com](mailto:tfurgason@swca.com) <[tfurgason@swca.com](mailto:tfurgason@swca.com)> >, "Kathy Arnold" <[karnold@rosemontcopper.com](mailto:karnold@rosemontcopper.com) <[karnold@rosemontcopper.com](mailto:karnold@rosemontcopper.com)> >, "Trent Reeder" <[treeder@swca.com](mailto:treeder@swca.com) <[treeder@swca.com](mailto:treeder@swca.com)> >

cc

Subject

For USFS direction: RCC Viewshed analysis

Hello Debby and Kathy,

I wanted to check in with you for direction to SWCA and Tetra Tech regarding what level of engineering resolution that we should all use in visual analysis and supporting efforts.

Please see David's message below and use the two attachments to place the questions in reference.

1. David has sent a pdf map of the Barrel only alternative that shows the angular grading of the "raw process."
2. I have attached a GIS view of the MPO with the benches etc, rather than smoothing, i.e. the "Raw process."

Due to the level of engineering development of the alternatives, David is proposing that both companies work from the raw version of the alternatives.

It is my understanding that working from the "raw" images would provide the "typical stormwater and benching" design that the Visual Coordination Meeting directed us to use (see KOP 12 attached).

**Debby**, Please confirm that we should all be working on the "raw" data that shows benching, to create a fair comparison.

**David**, I am still waiting for response to the questions that I submitted to Tt on Feb. 2 regarding the presentation of the MPO; I think my questions overlap with yours.

**From Marcie to SWCA, Tt, and USFS on 2/2/2010: RE: Visualization Coordination Follow Up and Minutes.**

**MPO- Specific Questions-**

1. Please confirm **which presentation of the MPO grading** we should use for **vizualizations at Y10** is as presented in **Figure 9** of the Reclamation and Closure Plan (RCP).
2. Please confirm **which presentation of the MPO grading** we should use for **visualizations at Y20-** should the MPO be shown as **Figure 11 or Figure 12** of the RCP.
3. Please indicate what the **geodatabase layer name** is that will have the "**composite of yearly reclamation areas**" in the data provided by Tt.
4. SWCA understands that the MPO should show benches as the following: waste rock, as 100 ft running slopes for each bench and approximately 100 ft wide road/bench surface; and tailings as 50 ft benches and running surface; the attached KOP 12 image shows the output from the MPO with benches as submitted. **Please confirm if this is what we should use for final grading.**

**From:** Krizek, David [<mailto:David.Krizek@tetrattech.com> <<mailto:David.Krizek@tetrattech.com>> ]  
**Sent:** Tuesday, February 09, 2010 11:59 AM  
**To:** Marcie Bidwell  
**Cc:** Keepers, Ashley; Carrasco, Joel  
**Subject:** RCC Viewshed analysis

Marcie,

This e-mail is being sent just to clarify the shapes we are using for our viewshed analysis.

Depending on the alternative, the various alternatives have been developed to three different stages. These stages are:

1. Raw Stage
2. Smoothed Stage
3. Advanced Stage

For the ultimate footprint, the following stages have been done:

- |                                                        |           |                |
|--------------------------------------------------------|-----------|----------------|
| 1. Barrel and McCleary Alternative                     | raw stage |                |
| advanced design                                        |           |                |
| 2. MPO                                                 | raw stage | smoothed shape |
| 3. Barrel Only Alternative                             | raw stage |                |
| 4. Sycamore Tailings and Barrel Waste Alternative      | raw stage |                |
| 5. Scholefield Tailings and McCleary Waste Alternative | raw stage |                |

For the Year 10 footprint, the following stages have been done:

- |                                                        |           |  |
|--------------------------------------------------------|-----------|--|
| 1. Barrel and McCleary Alternative                     | raw stage |  |
| 2. MPO                                                 | raw stage |  |
| 3. Barrel Only Alternative                             | raw stage |  |
| 4. Sycamore Tailings and Barrel Waste Alternative      | raw stage |  |
| 5. Scholefield Tailings and McCleary Waste Alternative | raw stage |  |

For the viewshed analysis, we are just planning on using the raw stage for all (Barrel Only Alternative attached for example). The raw stage is the angular version used to determine volumes, etc. Otherwise it won't be an equal analysis.

Is this what you were anticipating?

Sincerely,

**David Krizek | Principal**

Main: 520-297-7723 | Mobile: 520-260-3490 | Fax: 520-297-7724

Tetra Tech

3031 West Ina Road | Tucson, AZ 85741 | [www.tetrattech.com](http://www.tetrattech.com) <<http://www.tetrattech.com/>> <<http://www.tetrattech.com/>>>

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"Marcie Bidwell"  
<mbidwell@swca.com>  
10/01/2009 03:45 PM

To "Debby Kriegel" <dkriegel@fs.fed.us>  
cc  
bcc  
Subject RE: Specialist Report format~

Debby,

This looks really good; I will review and see how to combine the two.

Thanks for sending this. And the book arrived today!! Lots of ear marks, which is great.

Have a good day in the field tomorrow!  
Marcie

**From:** Debby Kriegel [mailto:dkriegel@fs.fed.us]  
**Sent:** Thursday, October 01, 2009 1:52 PM  
**To:** Marcie Bidwell  
**Subject:** Re: Specialist Report format~

Thanks for the clarification on specialist reports. Normally that's all I focus on, and I don't tend to even think about the NEPA document until my specialist report is complete (or nearly complete) because it's troublesome to juggle both at the same time. Looks like we might be forced to do this for the Rosemont project. Arrrgh.

I had never seen this white paper before, but I just read it and it looks like good advice to follow. The Hermosa Land Exchange example doesn't follow the same sequence described in the white paper, but looks like it has most or all of the pieces. For a project as big and complex as Rosemont, there might be value in having specialist reports organized consistently. You might ask Tom if he thinks this is worth discussing with other resources.

Attached is a project level scenery analysis outline that might be helpful to organizing the visual resource specialist report. Each topic could easily be slipped into the white paper outline in the appropriate section. I've used this checklist on other projects to help me avoid missing a topic.

Have a great trip!

"Marcie Bidwell"  
<mbidwell@swca.com>

09/30/2009 05:15 PM

To "Debby Kriegel" <dkriegel@fs.fed.us>, "Tom Furgason" <tfurgason@swca.com>, "Charles Coyle" <ccoyle@swca.com>  
cc  
Subject Specialist Report format~  
t

Hello

Please find attached an example of a specialist report that I wrote recently for the USFS here in Durango. It was my impression that this is an official USFS template for Specialist Reports, and then I have also attached some guidance that I find useful for writing them.

Unless I receive other direction, this is what I was heading for in the Specialist Report as a format or structure.

Tom and I discussed that specialist reports are expected to be stand-alone documents, with their own brief synopsis of the project, alternatives, etc in them so that the public can take it from the EIS and it still makes sense. Also, all of us Specialist Reports could share the same basic summary of the alternatives, and save writing time.....

Looking for thoughts and feedback. (Caviat~ this is not a final product, so ignore the bad stuff)  
<<r3-specialist-report-guidance-6-2008.doc>>

Marcie

<<Appendix Recreation\_draft 2009-03-27\_mdb.doc>>

Marcie Demmy Bidwell  
Environmental Planner  
130 Rock Point Drive, Suite A  
Durango, Colorado 81301  
Office: 970.385.8566  
Fax: 970.385.1938

[www.swca.com](http://www.swca.com) [attachment "r3-specialist-report-guidance-6-2008.doc" deleted by Debby Kriegel/R3/USDAFS] [attachment "Appendix Recreation\_draft 2009-03-27\_mdb.doc" deleted by Debby Kriegel/R3/USDAFS]



"Marcie Bidwell"  
<mbidwell@swca.com>  
05/11/2010 03:16 PM

To "Debby Kriegel" <dkriegel@fs.fed.us>  
cc  
bcc

Subject RE: Visual Scope, reviewed and ready for approval.

Hello Debby,

We can talk on Weds if you want. I am available in the afternoon.

1. Funded tasks- I sent the pdf of the funding tasks last month. I am resending it here.
2. This SOW was specifically requested to address (1) simulations and (2) EIS and specialist report needs, and so it fits a more focused process. At the time that this was drafted last fall, the Horst discussion and other alternative development processes were taking care of many of the other pieces, and I was directed to focus on the elements represented. The research task has been on the unfunded list for a long time. I thought you had included specific research requests on your most recent letter to Rosemont (permion, veg, rock colors, etc). If/when you find a good example we can ask for funding at that time. There wasnt really a way to include the cost of traveling to an unknown place at an unknown time when this SOW was submitted.
3. We are still waiting for 3D model of the plant, then we will have to apply colors and textures to it to make it appear real.
4. Completed. We are referring to these as "seen area maps". And in discusison with you, we have decided that the "not visible diagrams" are virtually the same information as the seen area maps; therefore, we are not producing the not visible diagrams at this time.
5. Transmission lines and roads will be simulated as the data that we receive from RCC/Tt. If we do not receive that data, we will not be able to simulate it (we have not received it yet; however, Tt did call and leave a message yesterday that they heard from RCC that we need more data).
6. This is a new idea, and not one that we have talked about yet. We will be showing vegetation, and the scale of that vegetation could be called out in a legend. There really isnt a reason that people would be out in this landscape, after it has been reclaimed. I would consider this extra detail, but if the vegetation cannot suffice, we can talk about it.

We should talk about photos and which of the alternatives still need representation.

I arrive Sunday night as long as the weather cooperates. I have all day on Tuesday and currently all day Weds, although I may fly standby early if there isnt any reason to be in Tucson all day.

CHeers,  
Marcie

**From:** Debby Kriegel [mailto:dkriegel@fs.fed.us]  
**Sent:** Monday, May 10, 2010 1:53 PM  
**To:** Marcie Bidwell  
**Cc:** Debby Kriegel

**Subject:** Re: Visual Scope, reviewed and ready for approval.

Marcie,

Let's talk sometime soon. I have many comments on your scope of work (attached), and lots of additional questions:

1. Which tasks are funded (and which are not)?
2. What happened to the research task? I realize that my original thoughts on this have been scaled down, and there may not be any great large-scale mine landforming and/or revegetation projects, but can you at least get in touch with the ASLA Reclamation and Restoration professional group? Also, if Horst (or others) finds a good example, it is still feasible that you and I might need to travel to it. I recommend that you just mention in your scope of work that this might be necessary, but is currently unfunded.
3. Are you expecting to simulate the plant yourself?
4. Will you be creating a reverse viewshed study (like Jimmy Pepper provided) for each alternative?
5. Will the powerline (and associated road and water line) going over the ridge be included in any planned simulations? We now know that EPG is not simulating this, and it's a big visual effect, so I think we need to discuss.
6. Is there a way to include something for scale (like a person or a car) in at least some of the simulations? We haven't talked about this, but I think it's critical.

The snow on the Santa Ritas has now melted, so taking KOP photos from Tucson can happen any time. In the mean time, our Forest Supervisor has decided that the Sycamore/Barrel alternative is not moving forward, but I recommend that you or Johnathan go ahead and take the photos anyway. Our Forest Supervisor has announced that she is retiring next month, and who knows what the next forest supervisor might want. Also, it's possible that the public will demand this alternative return to analysis and/or want to see that we took views from Tucson seriously (potentially a photo could be included in your specialist report). Pick a clear day. It's been windy a lot lately and the air quality has been bad.

The reclamation meeting on Monday (May 17) starts at 9:00 am. When does your flight arrive? On Tuesday I have a dental appt. at 2:15, but could work with you all morning. Wednesday, I'm normally tied up in Rosemont IDT meetings.

Thanks.

Debby

"Marcie Bidwell"  
<mbidwell@swca.com>

05/10/2010 08:15 AM

To "Debby Kriegel" <dkriegel@fs.fed.us>, "Tom Furgason" <tfurgason@swca.com>  
cc "Jonathan Rigg" <jrigg@swca.com>, "Melissa Reichard" <mreichard@swca.com>, "Dale  
Ortman PE" <daleortmanpe@live.com>  
Subject: Visual Scope, reviewed and ready for approval.  
t

Hello Debby,

Please find attached the Visual Scope with a few edits to it. Basically, we made sure that the number of KOPs and data set assumptions matched with the level of effort that was agreed upon with Jamie in January (i.e. middle cost estimate). I believe that this version is now ready for your approval.

Also, I have booked flights to Tucson for the Reclamation Technology Transfer meeting on May 17th; to be conservative, I booked my flights to be in Tucson for May 17-19, as I had not heard a final schedule. In communicating with Dale, it appears that the meeting is still considered to be one day; that would give you and I at least Tuesday to work together, and I can either work from the Tucson office on Weds or try to fly standby to return earlier.

I do not consider the Reclamation Transfer meeting to be in this visual budget, and will pursue arrangements with Tom/Dale for the time.

Finally, I am preparing a Project Update, several maps and image drafts for you to review, either prior to this meeting or as a part of that trip to Tucson. I should have these to you shortly.

More to follow,  
Marcie

<<Scope-Visual Resources\_2010-04-30.doc>>

Marcie Demmy Bidwell

Environmental Planner

130 Rock Point Drive, Suite A

Durango, Colorado 81301

Office: 970.385.8566

Fax: 970.385.1938

[www.swca.com](http://www.swca.com) [attachment "Scope-Visual Resources\_2010-04-30.doc" deleted by Debby Kriegel/R3/USDAFS]

*recipient, please notify the sender by replying to this message and then delete it from your system.*

*[attachment "Barrel Only\_raw shape.pdf" deleted by Debby Kriegel/R3/USDAFS] [attachment "11204\_KOP12\_PAb.jpg" deleted by Debby Kriegel/R3/USDAFS]*

Issue-brief.docx



*Rochelle Desser*

**Natural Resource Planner**

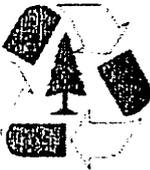
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**Cell Phone: 559-359-8114**

**Conference Line: 866-919-8394  
with Pass Code # 128398**

**PO Box 687 O'Brien, OR 97534**

Melinda D Roth/R3/USDAFS



Melinda D Roth/R3/USDAFS

03/18/2010 04:23 PM

To Rochelle Desser/WO/USDAFS@FSNOTES, Salek  
Shafiqullah/R3/USDAFS@FSNOTES, Beverley A  
Everson/R3/USDAFS@FSNOTES, tfurgason@swca.com

cc

Subject Apr 5th RO update plans

I will arrange a conference call early next week to settle on logistics, topics, and assignments. In the mean time, here are my thoughts as a starting point  
[attachment "Regional Office Rosemont Copper Project Update Plans.docx" deleted by Rochelle Desser/WO/USDAFS]

Mindee Roth  
Coronado National Forest  
300 W. Congress, FB42  
Tucson, AZ 85701  
(520) 388-8319  
(520) 396-0715 (cell)  
(520) 388-8305 (FAX)



Beverley A  
Everson/R3/USDAFS  
05/13/2008 05:27 PM

To karnold@augustaresource.com  
cc  
bcc  
Subject Re: FW: Layne Pump Rig

Hi Kathy,

I assume the rig you're talking about is the pump service rig that is labeled as such in the descriptions; is that correct? How does this rig compare in size to the drill rig?

Will the drill rig and the pump truck be on the site at that same time?

Bev

Beverley A. Everson  
Forest Geologist  
Coronado National Forest  
300 W. Congress Street, 6th Floor  
Tucson, AZ. 85701

Voice: 520-388-8428  
Fax: 520-388-8305

Kathy Arnold <karnold@augustaresource.com>



Kathy Arnold  
<karnold@augustaresource.com>

05/13/2008 04:47 PM

Please respond to  
karnold@augustaresource.com

To 'Beverley A Everson' <beverson@fs.fed.us>  
cc  
Subject FW: Layne Pump Rig

Bev -

Just got this from Jim Davis at Montgomery. It appears that they would like to use the pump truck rather than the drill rig to install the pumps at the wells that will be monitored. Do you have a problem with this equipment substitution? A picture of the truck is in the attached file (after the first few safety acknowledgement pages).

Thank you -  
Kathy

Kathy Arnold | Director of Environmental and Regulatory Affairs  
Cell: 520.784.1972 | Main: 520.297.7723 | Fax 520.297.7724  
karnold@augustaresource.com

Rosemont Copper Company  
P.O. Box 35130 | Tucson, AZ 85740-5130  
3031 West Ina Road | Tucson, AZ 85741 | www.rosemontcopper.com

PLEASE NOTE: This message, including any attachments, may include privileged, confidential and/or inside information. Any distribution or use

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-----Original Message-----

From: Jim Davis [mailto:jdavis@elmontgomery.com]  
Sent: Tuesday, May 13, 2008 4:34 PM  
To: karnold@augustaresource.com  
Cc: LOIS AND DENNIS FISCHER  
Subject: Layne Pump Rig

Kathy,

Layne is planning to conduct well development at the Rosemont wells with a smaller pump rig rather than using the drilling rig. Attached is information about the pump rig so you can let Bev Everson know. If this is a problem, please let me know.

Layne would also be using this rig to install pumping test equipment at the wells, if they are the one selected for that. Right now, I'm trying to get a price quote from Layne for installation and operation of the test pumps. Otherwise, we'll planning to use Verdad for the pumping test work.

Jim

-----Original Message-----

From: RNShrum@laynechristensen.com [mailto:RNShrum@laynechristensen.com]  
Sent: Tuesday, May 13, 2008 3:08 PM  
To: Jim Davis  
Cc: jstephens@laynechristensen.com  
Subject: Fw: Message from KMBT\_750

Equipment and sign off sheets for pump rig

Robert Shrum  
Layne Christensen Co.  
12030 E. Riggs Road  
Chandler, AZ 85249  
Ph: 480-895-9336  
Fx: 480-895-8699

Office Locations: Colorado 303/755-1218  
Nevada 702/ 221-9717, Utah 801/ 972-3333, Southern California 909/  
390-2833 Northern California 530/ 622-2825

(See attached file: SKMBT\_75008051313570.pdf)  
[attachment "SKMBT\_75008051313570.pdf" deleted by Beverley A Everson/R3/USDAFS]



Beverley A  
Everson/R3/USDAFS  
06/29/2010 01:25 PM

To Melinda D Roth/R3/USDAFS@FSNOTES  
cc  
bcc  
Subject Fw: Barrel-Only Landform - Debby's comments

Beverley A. Everson  
Forest Geologist  
Coronado National Forest  
300 W. Congress Street, 6th Floor  
Tucson, AZ. 85701

Voice: 520-388-8428  
Fax: 520-388-8305

— Forwarded by Beverley A Everson/R3/USDAFS on 06/29/2010 01:24 PM —



Beverley A  
Everson/R3/USDAFS  
06/29/2010 12:54 PM

To Beverley A Everson/R3/USDAFS@FSNOTES  
cc  
Subject Fw: Barrel-Only Landform - Debby's comments

Beverley A. Everson  
Forest Geologist  
Coronado National Forest  
300 W. Congress Street, 6th Floor  
Tucson, AZ. 85701

Voice: 520-388-8428  
Fax: 520-388-8305

— Forwarded by Beverley A Everson/R3/USDAFS on 06/29/2010 12:53 PM —

Debby Kriegel/R3/USDAFS  
06/29/2010 11:30 AM

To "Dale Ortman PE" <daleortmanpe@live.com>  
cc "Beverley A Everson" <beverson@fs.fed.us>, "Krizek, David" <David.Krizek@tetrattech.com>, fsamorano@rosemontcopper.com, "Jonathan Rigg" <jrigg@swca.com>, "Kathy Arnold" <karnold@rosemontcopper.com>, "Marcie Bidwell" <mbidwell@swca.com>, "Melissa Reichard" <mreichard@swca.com>, "Salek Shafiqullah" <sshafiqullah@fs.fed.us>, "Tom Furgason" <tfurgason@swca.com>, Debby Kriegel/R3/USDAFS@FSNOTES  
Subject Re: FW: Barrel-Only Landform

Dale (and all),

I'm ok with not having a meeting tomorrow.

I've briefly looked at the new drawing and although it looks better, I'm confused about the numerous double contour lines and contour lines that cross one another. Can someone explain what these are showing?

I plan to meet with Salek to discuss this alternative further. I would like to provide a consolidated FS comments and recommendations in writing within a week. I do not consider this a "conclusion to the team's efforts", though maybe it'll be a slightly different team moving forward.

Thanks.

~~~~~  
Debby Kriegel, RLA
Landscape Architect
Coronado National Forest
300 W. Congress
Tucson, AZ 85701
(520) 388-8427
Fax (520) 388-8305
www.fs.fed.us/r3/coronado/
dkriegel@fs.fed.us

"Dale Ortman PE"
<daleortmanpe@live.com>

06/29/2010 10:12

AM

To "Debby Krieger" <dkriegel@fs.fed.us>, "Salek Shafiqullah" <sshafiqullah@fs.fed.us>
cc "Beverley A Everson" <beverson@fs.fed.us>, "Tom Furgason" <tfurgason@swca.com>, "Melissa Reichard" <mreichard@swca.com>, "Jonathan Rigg" <jrigg@swca.com>, "Kathy Arnold" <karnold@rosemontcopper.com>, <fsamorano@rosemontcopper.com>, "Krizek, David" <David.Krizek@tetrattech.com>, "Marcie Bidwell" <mbidwell@swca.com>
Su FW: Barrel-Only Landform
bje
ct

Debby & Salek,

I have not received a response to the recommendations in the email below. Please provide your input regarding the recommendations so that we may reach an expeditious conclusion to the team's efforts and proceed to a potential alternative for Reta's consideration.

Regards,

Dale

Dale Ortman PE PLLC

Consulting Engineer

(520) 896-2404 - Arizona Office

(520) 449-7307 - Mobile

(435) 682-2777 - Utah Office

daleortmanpe@live.com

PO Box 1233

Oracle, AZ 85623

From: Dale Ortman PE [mailto:daleortmanpe@live.com]

Sent: Sunday, June 27, 2010 6:29 PM

To: 'Debby Kriegel'; 'Salek Shafiqullah'; 'mbidwell@swca.com'; 'Kathy Arnold'; 'fsamorano@rosemontcopper.com'; 'Krizek, David'

Cc: 'Beverley A Everson'; 'tfurgason@swca.com'; 'Jonathan Rigg'; 'Melissa Reichard'

Subject: Barrel-Only Landform

Importance: High

All,

Attached is the latest landform topography developed by Rosemont for the Barrel -Only landform alternative. This landform has been developed through the joint efforts of the CNF, SWCA, Rosemont, and TetraTech and incorporates the following elements:

- Extension of the Upper Barrel drainage within the landform
- Multiple ridge landforms with differing elevations
- Potential for variable slopes on eastern flanks of the landform
- Potential for reduction in number of drainage control benches on eastern flank of landform
- Improved stormwater discharge control utilizing the extension of the Upper Barrel drainage
- Maintain overall 3:1 slopes with drainage benches on west side of landform to provide required storage capacity and maintain tailings placement operations
- Maintain waste rock perimeter buttress surrounding tailings
- Maintain encapsulation of the heap leach facility

The team has done an excellent job in the collaborative effort to develop this landform concept. I believe we have reached a point in the process where the landform concept should be turned over to Rosemont for final engineering development as the Barrel-Only Alternative for consideration in the DEIS. I recommend that, in addition to the general design objectives listed above, Rosemont develop the following during the final engineering:

- Confirm constructability of the landform
- Summarize the concurrent & final reclamation plan
- General layout of rock sub-drains & flow-through drains
- General stormwater control plan, including commitment to the design criteria currently in the Site Water

Management Plan Update

In addition, I propose that we not meet on June 30th as currently scheduled but the team review the attached landform and provide any additional design objectives for Rosemont to include in the final engineering . Please get back to me ASAP with comments and any design objectives you believe should be included in the final design .

If you have any questions please email me or try the Utah phone listed below .

Regards,

Dale

Dale Ortman PE PLLC
Consulting Engineer

(520) 896-2404 - Arizona Office

(520) 449-7307 - Mobile

(435) 682-2777 - Utah Office

daleortmanpe@live.com

PO Box 1233

Oracle, AZ 85623

[attachment "Prelim Barrel_Proposed Survey Area.pdf" deleted by Beverley A Everson/R3/USDAFS]

Sally L. - Bio Tech RCC, grad. student UH
ppt presentation, explained study & effects.
10-yr. study, began in 2005 by Feroni.
C.A. concerns (question) about rock not being
incorp. in test to mimic waste rock buttress
Erosion concerns, dust concerns
Starting from the start should be beneficial, reclam.
science relat. new, monitor & adjust

Dev - Reclam. direction & bonding requirements
Training guide 2004 - clarifies guidance.
applied thru mitigation → final MPO.
- example? - Carlotta - still early
volume of "topsoil" not adequate.
- geochem. import. to success too.
Will a draft bond be avail. during DEIS?
an outline?
reclam. plans - yes Bonding - no.
what aspects are included in a bond.
State fin. assurances too.



Subject Apr 5th RO update plans

I will arrange a conference call early next week to settle on logistics, topics, and assignments. In the mean time, here are my thoughts as a starting point.

[attachment "Regional Office Rosemont Copper Project Update Plans.docx" deleted by Rochelle Desser/WO/USDAFS]

Mindee Roth
Coronado National Forest
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Tucson, AZ 85701
(520) 388-8319
(520) 396-0715 (cell)
(520) 388-8305 (FAX)



Rochelle
Desser/WO/USDAFS
03/25/2010 08:35 AM

To Melinda D Roth/R3/USDAFS@FSNOTES
cc Beverley A Everson/R3/USDAFS@FSNOTES,
tfurgason@swca.com
bcc

Subject Re: Apr 5th Rosemont RO briefing - draft issues table

Check out the attached and see if it may be helpful for the RO briefing package.

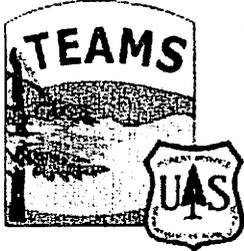
This attached document is a table that shows how we might cover each issue:
-the analysis elements (like the factors for alternative comparison but simplified - this column needs to be edited for consistency in level of detail),
- the way the issue is addressed (mitigation measures and alternative designs - Bev could share her alternative design graphics to show the tie between issues and alternative elements as we discuss each issue),
-the status or data gaps, reports needed, decisions needed, etc.

I think if we covered each issue in about this much detail, it could be followed by a simple table as Mindee envisioned with x's for alternatives that address specific issues, as a segue into the list of packaged alternatives and the outliers that are still questionable.

Also, as I worked on this I realized that there are lots of ways to improve the longer issues paper, and make it more consistent and accurate. I know you are working with your IDTs to review and refine this and I want to reiterate that it can be edited ... I do not want folks to spend too much time wordsmithing but I would like your teams to identify missing concepts and/or ways to improve accuracy / consistency of the presentation.

Talk to you all Tuesday - fyi, I felt I made the phone call harder yesterday than it needed to be, it was late in the day for me and even tho just Wed I had put in 40 hours already this week. So I was not at my best. And I did not have a chance to share with you that before our call I had found out a close family member passed away yesterday. I am probably getting on a plane and flying across country Saturday for services - all kind of a blur, so please bear with me being less available and focused.

Issue-brief.docx



Rochelle Desser
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Melinda D Roth/R3/USDAFS



Melinda D Roth/R3/USDAFS
03/18/2010 04:23 PM

To Rochelle Desser/WO/USDAFS@FSNOTES, Salek
Shafiqullah/R3/USDAFS@FSNOTES, Beverley A
Everson/R3/USDAFS@FSNOTES, tfurgason@swca.com
cc

Subject Apr 5th RO update plans



I will arrange a conference call early next week to settle on logistics, topics, and assignments. In the mean time, here are my thoughts as a starting point.

[attachment "Regional Office Rosemont Copper Project Update Plans.docx" deleted by Rochelle Desser/WO/USDAFS]

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From: [Melinda D Roth](#)
To: [Larry Jones](#)
Cc: [Beverley A Everson](#); [Deborah K Sebesta](#); [Richard A Gerhart](#)
Subject: Re: Talussnail survey requests
Date: 10/28/2009 08:34 AM

With FWS stating that they have compiled info indicating potential listing, it seems like plenty of info exists. How useful could that be to the project analysis?

Mindee Roth
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(520) 396-0715 (cell)
(520) 388-8305 (FAX)

▼ [Larry Jones/R3/USDAFS](#)

**Larry
Jones/R3/USDAFS**

10/28/2009 07:30 AM

To: Beverley A Everson/R3/USDAFS@FSNOTES, Melinda D Roth/R3/USDAFS@FSNOTES
cc: Richard A Gerhart/R3/USDAFS@FSNOTES, Deborah K Sebesta/R3/USDAFS@FSNOTES
Subject: Talussnail survey requests

These are some documents I am going to post on WebEx. These surveys I requested (to Bev and to Tom Furgason) back in August 2008 never occurred (Geoff Soroka may have gone out once or twice), likely because SWCA was waiting to see what WestLand came up with. This is unfortunate because the draft Rosemont snail report is quite biased, and now we don't have better data that could have been collected over the last two field seasons (admittedly, it was rather dry). I went to some effort to track down taxa experts and methods that could have been used.

[attachment "talussnail survey request area.pdf" deleted by Melinda D Roth/R3/USDAFS] [attachment "Microsoft Word - Talussnail survey memo for SWCA.pdf" deleted by Melinda D Roth/R3/USDAFS]
[attachment "Microsoft Word - Talussnail survey memo.pdf" deleted by Melinda D Roth/R3/USDAFS] [attachment "Rosemont Talussnail survey area 1.pdf" deleted by Melinda D Roth/R3/USDAFS]

Larry Jones
Wildlife, Fish, and Rare Plants
Coronado National Forest
300 W Congress
Tucson, AZ 85701

520-388-8375

From: [Salek Shafiqullah](#)
To: [Tom Furgason](#)
Cc: [Beverley A Everson](#); [Melissa Reichard](#); [Melinda D Roth](#); [Tom Furgason](#)
Subject: RE: Task: Summary and classification of "Alternatives not considered for detailed analysis"
Date: 10/02/2009 09:27 AM

Hello Tom,
I like the organization. Thanks.
Comments from a cursory review:

1. One of the tables (outside jurisdiction) has the purpose and need at the top of it.
2. In the Greater impact table there is a duplicate in the waste rock section.

Thanks for helping out.

Salek Shafiqullah, Hydrologist
Coronado National Forest
520-388-8377

"Tom Furgason" <tfurgason@swca.com>

10/01/2009 10:05 PM

To "Salek Shafiqullah" <sshafiqullah@fs.fed.us>

cc "Beverley A Everson" <beverson@fs.fed.us>, "Melissa Reichard" <mreichard@swca.com>, "Melinda D Roth" <mroth@fs.fed.us>, "Tom Furgason" <tfurgason@swca.com>

Subject RE: Task: Summary and classification of "Alternatives not considered for detailed analysis"

Salek,

Thanks for the message and the direction. I have taken a first "shot" at organizing the tables of alternatives not considered for detailed analysis. I created four tables based on the following rationale:

- inconsistent with Purpose and Need;
- economically and technologically infeasible;
- Alternatives that would likely result in the same or greater impacts than the Proposed Action;
and
- Alternatives outside of the Jurisdiction of the Forest Service

I organized the larger tables with sub-headings to group similar comments (e.g., transportation elements). Please note that these tables will likely have additions based on cooperating agency input and review of the scoping summaries. I'll begin adding those elements into the tables tomorrow morning. I have also NOT had these tables edited and formatted. Our editor should be able to quickly look at them tomorrow and provide a more thorough review before the meeting with Region. I would appreciate it if you would let me know if you think that the organization of these tables meets your objectives. Again, thanks for making the "hike" over to our office to go over this with me.

Tom

From: Salek Shafiqullah [mailto:sshafiqullah@fs.fed.us]
Sent: Thu 10/1/2009 4:23 PM
To: Tom Furgason
Cc: Beverley A Everson; Melissa Reichard; Melinda D Roth
Subject: Task: Summary and classification of "Alternatives not considered for detailed analysis"

Hello Tom,

Thanks for meeting with me earlier today to discuss a work product I am needing. Per our conversation, I am interested in obtaining a summary and classification of "Alternatives not considered for detailed analysis". It appears that this request is within your present scope of work with Rosemont and therefore, scheduling this work should not be a concern.

Deliverables:

Task 1: review all existing documents created from the scoping comments and IDT deliberations and categorize the "alternatives not considered for detailed analysis" by rational for dismissal. Rationals for dismissal would include but not be limited to: not consistent with purpose and need, illegal, economically infeasible, technologically infeasible, etc.

Task 2: Review all information presented to cooperating agencies and subsequent comment letters forwarded by cooperating agencies regarding alternatives and compare them to the Task 1 data.

Include any new alternatives to the Task 1 product.

Schedule:

Phase 1: Due Friday Oct 2, 2009 before 10:00am.

Phase 2: Due Tuesday Oct 6, 2009

Questions or concerns? Lets discuss at your leisure. Thanks.

Salek Shafiqullah, Hydrologist

Coronado National Forest

520-388-8377[attachment "Alternatives Dismissed-Greater Impact.doc" deleted by Salek Shafiqullah/R3/USDAFS] [attachment "Alternatives Dismissed-Outside of FS Jurisdiction.doc" deleted by Salek Shafiqullah/R3/USDAFS] [attachment "Alternatives Dismissed-Purpose and Need.doc" deleted by Salek Shafiqullah/R3/USDAFS] [attachment "Alternatives Dismissed-Technical.doc" deleted by Salek Shafiqullah/R3/USDAFS]

From: [Melinda D Roth](#)
To: [Melissa Reichard](#)
Cc: [Beverley A Everson](#)
Subject: RE: Today's meeting notes
Date: 10/21/2009 09:57 AM

Either Bev or me for sign off is OK.

Mindee Roth
Coronado National Forest
300 W. Congress, FB42
Tucson, AZ 85701
(520) 388-8319
(520) 396-0715 (cell)
(520) 388-8305 (FAX)

▼ ["Melissa Reichard" <mreichard@swca.com>](#)

"Melissa Reichard"
<mreichard@swca.com> To "Melinda D Roth" <mroth@fs.fed.us>
cc
10/21/2009 09:37 AM Subject RE: Today's meeting notes

Got it! Thanks! Should the sign-off for the record still be Bev or should I change it to you?

Melissa

"Science is organized knowledge. Wisdom is organized life."

-Immanuel Kant

From: Melinda D Roth [mailto:mroth@fs.fed.us]
Sent: Wednesday, October 21, 2009 8:59 AM
To: Melissa Reichard
Subject: Re: Today's meeting notes

add compilation of past, present, and reasonably foreseeable future actions lists to IDT assignments.

Mindee Roth
Coronado National Forest
300 W. Congress, FB42

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(520) 388-8319
(520) 396-0715 (cell)
(520) 388-8305 (FAX)

"Melissa Reichard"
<mreichard@swca.com>

10/20/2009 02:58 PM

To "Dale Ortman PE" <daleortmanpe@live.com>, "Tom Furgason"
<tfurgason@swca.com>, "Melinda D Roth" <mroth@fs.fed.us>, "Beverley A
Everson" <beverson@fs.fed.us>

cc

Subject Today's meeting notes

Let me know if you have any changes.
Thanks!

Melissa Reichard
Project Administrator
SWCA Environmental Consultants
343 West Franklin Street
Tucson, Arizona 85701
(520)325-9194, (520)325-2033 fax

Sound Science. Creative Solutions.

"Man's mind, once stretched by a new idea, never regains its original dimensions." -Oliver Wendell Holmes[attachment "20091020_PM Mtg.pdf" deleted by Melinda D Roth/R3/USDAFS]

From: Melinda D Roth
To: Jonathan Rigg; Tom Furgason
Cc: beverson@fs.fed.us; jsturgess@rosemontcopper.com; karnold@rosemontcopper.com; rlaford@fs.fed.us; Melinda D Roth
Subject: Re: Updated Rosemont Mitigation Table
Date: 01/22/2010 02:22 PM

Jonathan/Tom,

Thanks for today's update. Bev and I will facilitate the forest's review and input. We have a concern that, thru editing, original comments and ideas may have been lost and thus not completely documented for disposition. Have you tracked this to ensure nothing was lost in translation? If not, how would you suggest that be done? If the numbering system has remained the same on various versions, the first version could easily be compared to the current version to ensure the original comment is captured and tracked somewhere.

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(520) 388-8305 (FAX)

"Jonathan Rigg" <jrigg@swca.com>

01/22/2010 01:48 PM

To <beverson@fs.fed.us>, "Melinda D Roth" <mroth@fs.fed.us>, <rlaford@fs.fed.us>, <jsturgess@rosemontcopper.com>, <karnold@rosemontcopper.com>

cc "Tom Furgason" <tfurgason@swca.com>

Subject Updated Rosemont Mitigation Table

Good afternoon all,

My apologies on getting this out a bit later than noon- The Rosemont mitigation table has been updated per our meetings over the last few weeks. Please review the table and let me know if there is anything that I missed or deviates significantly from what the group agreed upon. Per our discussions, any mitigation land items have been pulled from their respective resource section (although still identified in the resource's Category 5 subsection) and accumulated into a separate "Off-Site Mitigation Land" section toward the end of the list. These items have not yet been codified due to potential conflicts of which resources the off-site mitigation lands may mitigate (i.e. hunting vs. wildlife preservation), although the ACOE requirements can be codified as a 1. I also copied any monitoring related mitigation measures into a compilation list at the bottom of the list as well. The monitoring compilation list is not intended to be a complete list, just what came up in this table.

I highlighted the measures that need further clarification or editing in the Comment column and the person in charge of the clarification/edit. If these edits, or any others, change the disposition category of the measure or results in a significant change, please correspond with the counterpart at RCC (Kathy and/or Jamie) or Coronado (Bev, Reta, and/or Mindee) to obtain agreement on the updated measure prior to resubmitting. Obtaining the

agreement before submitting will help document control and avoid having to create more versions of the table than is necessary.

Other items that have yet to be completely fleshed out are:

- Citing specific laws, regulations, and policies
- Documenting the NEPA reasoning behind a measure not being carried forward
- "Other Resource Benefit" column

If you have any questions, or have a recommendation on how to proceed with the editing, please let me and/or Tom know.

Have a great weekend!

Jonathan Rigg
Environmental Planner
SWCA Environmental Consultants
343 West Franklin Street
Tucson, Arizona
Phone: (520) 325-9194
Fax: (520) 325-2033
Email: jrigg@swca.com[attachment "1-22-09 Total Compilation.docx" deleted by Melinda D Roth/R3/USDAFS]

From: [Debby Kriegel](#)
To: [Celeste A Gordon](#); [Reta Laford](#); [Beverley A Everson](#)
Cc: [Larry Jones](#); [Debby Kriegel](#); [Melinda D Roth](#)
Subject: Rosemont - Mitigation for Recreation
Date: 07/02/2010 08:24 AM
Attachments: [Recreation_Mitigation_Measures_070210.docx](#)

Larry and I met to discuss these 3 mitigation measures. I made some edits, and #196 and #201 are compatible with wildlife.

#201A is still a problem. The mine will occupy the prime OHV touring roads for 20-30 years. Some OHV use can continue to use the area north of the mine (at the existing trailhead), but it will be a very small area, so many users are expected to move south of Box Canyon, creating conflicts with non-motorized users. Developing an OHV area east of Hwy 83 (Art's idea) is not compatible with wildlife. Developing a multi-user trailhead north of the project makes little sense (since OHV opportunities are so limited), south of Box Canyon would encourage OHV use and exacerbate user conflicts, and east of the Hwy won't serve AZ trail users very well. Although the idea of a multi-user trailhead is still good, I honestly do not know how to resolve this for the project. **Reta or Celeste: Suggestions?**

The green highlighted text "Inconsistent with RCC access needs" makes no sense to me. Where did this comment come from? Perimeter roads were proposed specifically for their access needs. I simply recommend that the road on the east side road be administrative use only so the non-motorized AZ Trail setting is protected.

Finally, a few weeks ago I mentioned to Bev that I had some additional mitigation measures. Per her suggestion, I have added them to this list.



Recreation_Mitigation_Measures_070210.docx

▼ [Beverley A Everson/R3/USDAFS](#)

**Beverley A
Everson/R3/USDAFS**

To Debby Kriegel/R3/USDAFS@FSNOTES, Larry
Jones/R3/USDAFS@FSNOTES

cc

06/29/2010 02:30 PM

Subject Fw: Recreation Mitigation Clarification

Can we get together tomorrow for a short time and resolve the differences you two have over the mitigation that you disagree on. The table is enclosed here, and the pertinent mitigation is in yellow. Perhaps we can meet after the economics presentation and short IDT meeting?

Beverley A. Everson
Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

Voice: 520-388-8428
Fax: 520-388-8305

----- Forwarded by Beverley A Everson/R3/USDAFS on 06/29/2010 02:28 PM -----

"Jonathan Rigg"
<jrigg@swca.com>

To "Melissa Reichard" <mreichard@swca.com>, "Beverley A Everson" <beverson@fs.fed.us>, "Melinda D Roth" <mroth@fs.fed.us>

06/29/2010 01:12 PM

cc

Subject RE: Recreation Mitigation Clarification

If I only had a dime for every time...

[Jonathan](#)

From: Melissa Reichard
Sent: Tuesday, June 29, 2010 1:12 PM
To: Jonathan Rigg; 'Beverley A Everson'; 'Melinda D Roth'
Cc: Tom Furgason
Subject: RE: Recreation Mitigation Clarification

You forgot the attachment 😊

From: Jonathan Rigg
Sent: Tuesday, June 29, 2010 1:09 PM
To: Beverley A Everson; Melinda D Roth
Cc: Melissa Reichard; Tom Furgason
Subject: Recreation Mitigation Clarification

Bev and Mindee,

As discussed at our status meeting, the mitigation measures regarding recreation have notes for Debby and Larry to work together and clarify. I have attached recreation section with the notes highlighted in yellow. Please see if Debby and Larry can complete this by tomorrow, or at least by Friday for the mitigation finalization RealTalk conference.

Jonathan Rigg
Environmental Planner
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343 West Franklin Street
Tucson, Arizona
Phone: (520) 325-9194
Fax: (520) 325-2033
Email: jrigg@swca.com[attachment "Mitigation Table Recreation
Clarification.docx" deleted by Debby Kriegel/R3/USDAFS]

From: [Debby Kriegel](#)
To: [Reta Laford](#); [Beverley A Everson](#); [Kent C Ellett](#)
Cc: [Debby Kriegel](#)
Subject: Rosemont - SWCA continues to say that the USFS must convince Rosemont what's needed for analysis of scenic resources
Date: 03/13/2009 11:31 AM

See highlighted stuff in this message. Sounds like it's not just Marcie saying that the FS needs to make our case to Rosemont, but Tom and Charles too. And the work involves more than just field trips, but also computer modeling and simulations, and more.

This week, per Reta's suggestion, I did contact Kathy Arnold to discuss my interest in other mines who have done land sculpting, etc. She's helping gather info via email, but this is only a small first step.

Can one of you discuss this at a future meeting with SWCA? Rosemont is not our client, and SWCA is expected to follow our direction, right??

----- Forwarded by Debby Kriegel/R3/USDAFS on 03/13/2009 11:05 AM -----

"Marcie Bidwell"
<mbidwell@swca.com>
03/12/2009 03:49 PM

To "Debby Kriegel" <dkriegel@fs.fed.us>
cc "Charles Coyle" <ccoyle@swca.com>, "Tom Furgason" <tfurgason@swca.com>
Subject Hour estimate for the Visual Technical Report

Debby,

Here is the detail for the Technical Report effort that was included in the scope of work for this year. The attachment includes the basic essence of Tasks 1-4-ish of my original proposal, but as only THREE tasks (Task 1-3 in this spreadsheet and the Change Order).

This scope does not include the trip to NV in April or any visual simulation work; **I encourage that you speak to RCC about your interest in these items again.** Task I thought I had sent this email last week.

As to my contacting RCC to request these items, **Tom and Charles have requested that these tasks need to be brought to RCC by the USFS, as SWCA has brought them forward to RCC and they were not funded. RCC should respond to USFS differently than they would to us.**

I want to stress that it is not that I do not support this extension; its quite the opposite.

Its that the federal agency has the influence in this situation with the client.

Tom or Charles would be glad to talk to you regarding strategy; they recommend that the ID Team lead or project lead carry your wishes to RCC.

Meanwhile, I am digging into the documents that you suggested, and will have the diagram with the EIS, Visual Tech Report and your list together for you soon.

Thanks as always, and glad to be moving on the next phase,
Marcie

<<Visual Cost_estimate- 2009-02-13-USFS.pdf>>

Marcie Demmy Bidwell
Environmental Planner
515 East College Avenue
Durango, Colorado 81301
Office: 970.385.8566
Fax: 970.385.1938

www.swca.com [attachment "Visual Cost_estimate- 2009-02-13-USFS.pdf" deleted by Debby Kriegel/R3/USDAFS]

From: [Debby Kriegel](#)
To: [Beverley A Everson](#); [Melinda D Roth](#); tfurgason@swca.com; mbidwell@swca.com
Cc: [Debby Kriegel](#)
Subject: Rosemont - Visual Resources SOW
Date: 05/25/2010 09:44 AM
Attachments: [Scope_Visual_Resources_2010_05_25.doc](#)

I have reviewed SWCA's scope of work for visual resources, discussed many items with Marcie, and made some relatively minor edits to the original document.

I approve the attached Scope of Work with the following disclaimers:

1. Much of the work described here is not currently funded. This concerns me and needs to be resolved.
2. I would like Marcie to focus efforts on the specialist report. Writing the EIS should follow.
3. Although this scope describes the majority of the tasks needed for visual resources, there may be some unforeseen items that would need to be added, such as:
 - Attendance at special meetings when Marcie's participation is desired and/or additional trip(s) to Tucson if needed to complete all work.
 - Site visits to other mines or reclamation projects, if appropriate and needed to collect information appropriate for the Rosemont project.
 - Additional simulations, if necessary for effects analysis.



Scope_Visual_Resources_2010_05_25.doc

~~~~~  
Debby Kriegel, RLA  
Landscape Architect  
Coronado National Forest  
300 W. Congress  
Tucson, AZ 85701  
(520) 388-8427  
Fax (520) 388-8305  
[www.fs.fed.us/r3/coronado/](http://www.fs.fed.us/r3/coronado/)  
[dkriegel@fs.fed.us](mailto:dkriegel@fs.fed.us)

▼ [Beverley A Everson/R3/USDAFS](#)

**Beverley A  
Everson/R3/USDAFS**

To: Debby Kriegel/R3/USDAFS@FSNOTES  
cc

04/07/2010 02:17 PM

Subject: Fw: Visual Resources SOW

Beverley A. Everson  
Forest Geologist  
Coronado National Forest  
300 W. Congress Street, 6th Floor  
Tucson, AZ. 85701

Voice: 520-388-8428  
Fax: 520-388-8305

----- Forwarded by Beverley A Everson/R3/USDAFS on 04/07/2010 02:17 PM -----

**"Tom Furgason"**  
<tfurgason@swca.com>

To "Beverley A Everson" <beverson@fs.fed.us>  
cc

03/03/2010 03:50 PM

Subject Visual Resources SOW

Bev,

I'm sorry to make you ask again. Here is the visual SOW that we are authorized to work on. Please keep in mind that any violations in assumptions will likely require more money from Rosemont.

Tom[attachment "Doc1.docx" deleted by Debby Kriegel/R3/USDAFS]

**From:** [Debby Kriegel](#)  
**To:** [Marcie Bidwell](#); [Melinda D Roth](#); [Beverley A Everson](#); [Reta Laford](#)  
**Cc:** [Debby Kriegel](#)  
**Subject:** Rosemont Simulations - Drainage Drawings  
**Date:** 06/01/2010 07:31 AM

---

Bev, Mindee, Reta: Note Marcie's statement below (I turned her text red). If she doesn't have the data from Rosemont by June 15, she won't be able to produce simulations for the DEIS. I believe that this is a major problem.

Marcie: Please verify with Rosemont and Tetra Tech the correct number of benches to show in the simulation. I'm confused by items 1 (no benches on tailings) and 2 (6 benches). Which is correct for the MPO?

▼ ["Marcie Bidwell" <mbidwell@swca.com>](#)

**"Marcie Bidwell"**  
**<mbidwell@swca.com>**

05/28/2010 09:16 AM

To "David Krizek" <david.krizek@tetrattech.com>, "Kathy Arnold" <karnold@rosemontcopper.com>  
cc "Debby Kriegel" <dkriegel@fs.fed.us>, "Keepers, Ashley" <Ashley.Keepers@tetrattech.com>, "Carrasco, Joel" <Joel.Carrasco@tetrattech.com>, "Trent Reeder" <treeder@swca.com>, "Melissa Reichard" <mreichard@swca.com>, "Jonathan Rigg" <jrigg@swca.com>, "Lara Mitchell" <lmitchell@swca.com>  
Subject RE: Drainage drawing

David,

Good to see you on Monday. You looked refreshed.

Per Kathy's email regarding stormwater, here is an example of what we are looking for as an indication of stormwater elements- we just need to just know a general indication of where to show drop structures, detention ponds, etc. This could be hand drawn, or as Trent prepared similar to this diagram. This is to illustrate what we are requesting.

In the meeting May 19, the MPO was discussed, and it was decided that while several concepts for reclamation were included in the MPO that have different physical forms (such as ridge and valley, etc) that the EIS simulations will use the basic topography that Rosemont has provided the FS and SWCA. Additionally, SWCA will apply vegetation and colors to the surface, but we will not be adjusting the contours. The

idea is that the "MPO is the MPO" to the level designed, not to show possible modifications to it.

**REQUEST:**

1. ***Please indicate by June 3 if Trent's drawing for placement of drop structures and stormwater ponds will suffice.*** At that date, we will complete the drafts of the MPO as Trent has shown. Or you may supply a similar drawing by June 3rd to replace it.

2. Please supply a similar level of drawing for the Scholefield and Barrel Only alternatives with the contours, when they are ready.

3. **Any data that has been requested and not received by June 15th will not be shown in the DEIS simulations by SWCA,** unless special arrangements have been made prior to this date.

A few important points regarding the MPO, drainage, and contours~

**1. MPO Contours data set and reclamation-** SWCA has been directed to use the set of contours for our alternatives that are shown in the JPG that is attached (August 2009 and Feb 2010 data downloads). However we do also have the 2007 contours Shown in Figure 23 Reclamation Plan as well. There are differences between these data sets, although their footprints are mostly the same. Notice also that Figure 23 does not show benches or access roads. JPG shows three benches on the waste rock pile and no specific benches on the tailing pile; the tails are generally evenly stepped throughout.

*Important note: we are proceeding with the data set shown in JPG, as recently directed, unless we hear otherwise by June 3.*

**2. MPO vs. Reclamation data set.** Thus far, SWCA has been using the MPO footprint as shown in the maps used at Monday's meeting.

I know that you are very familiar with the MPO and its Reclamation Plan and you will notice that the contours that we have received for the MPO do not look quite like MPO Rec Figure 23 (compared with the contours shown in MPO SW mdb.jpg). The MPO JPG shows 3-4 benches in some places, but according to your Preliminary Stormwater Concept,

there should be 1 bench per 100 feet of elevation on the waste rock, or 4-6 benches depending on where one starts counting.

*Important note: we are proceeding with the MPO shown benches on the waste rock and assigning a bench to every 100ft of drop on the tails, which results in 6 benches (approximately), as directed May 19th unless we hear otherwise by June 3.*

Thank you for your time and cooperation in advance,  
Marcie

---

**From:** Marcie Bidwell  
**Sent:** Wednesday, May 19, 2010 4:08 PM  
**To:** 'Kathy Arnold'; David Krizek  
**Cc:** Debby Kriegel; Keepers, Ashley; 'Carrasco, Joel'; Trent Reeder  
**Subject:** RE: Drainage drawing

Hello David,

This request forwarded by Kathy is the conceptual drawing that you and I have been discussing for a few months now.

The request is to supplement the *Preliminary Stormwater Control and Reclamation Summary* with a conceptual sketch of where the elements described in the text would be placed on each alternative map. This is consistent with the data requests filed by the Forest Service this year.

Specifically, it would be for the following alternatives (i.e. Phased Tailings is considered complete):

- MPO-
- Upper Barrel- (once the final design is confirmed)
- Scholefield- (once final design is confirmed)

Additionally, SWCA would like to request that the Phased Tailings Contour data and associated layers be uploaded to the FTP site, as well.

I would be glad to discuss this on the phone with you, Ashley or Joel.

And I want to extend a thank you for the recent call inquiry.

Thank you!  
Marcie

---

**From:** Kathy Arnold [mailto:karnold@rosemontcopper.com]  
**Sent:** Wednesday, May 19, 2010 2:46 PM  
**To:** David Krizek  
**Cc:** Marcie Bidwell; Debby Kriegel  
**Subject:** Drainage drawing

David -

I need you to put pen to paper on a drawing (2-d is fine) to show Marcie what your write-up will (could?) look like in the real world. Hand drawn arrows will be fine.

Cheers!

Kathy

**Katherine Ann Arnold, P.E.** | Director of Environmental and Regulatory Affairs  
Cell: 520.784.1972 | Main: 520.297.7723 | Fax 520.297.7724  
[karnold@rosemontcopper.com](mailto:karnold@rosemontcopper.com)



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[attachment "MPO\_SW mdb.jpg" deleted by Debby Kriegel/R3/USDAFS]

[attachment "MPO Rec Figure 23.pdf" deleted by Debby Kriegel/R3/USDAFS]

**From:** [Dale Ortman PE](#)  
**To:** ['Katherine Arnold'](#)  
**Cc:** ['Salek Shafiqullah'](#); ['Beverley A Everson'](#); [Terry Chute](#); ['Tom Furgason'](#); ['Jonathan Rigg'](#); ['Melissa Reichard'](#)  
**Subject:** Site Water Management & Mine Water Supply Technical Review Memoranda  
**Date:** 08/09/2010 08:51 AM

---

Kathy,

Attached are technical review memoranda for the following:

1. Site Water Management Plan Update – Final Technical Memorandum prepared by Golder Associates
2. Mine Water Pumping Supply Model – Review of Montgomery response to previous MWH review comments on the mine water supply pumping model. The attached memo is a draft; however it has been reviewed by the CNF and authorized for release without revision. The draft version is being forwarded to expedite the process. The final version will be forwarded when available.

Please let us know if you want to initiate an issue resolution process similar to that being used for the mine site groundwater model, or how you want to proceed with the review process.

Regards,

Dale

---

Dale Ortman PE PLLC  
Consulting Engineer

(520) 896-2404 - Arizona Office  
(520) 449-7307 - Mobile  
(435) 682-2777 - Utah Office

[daleortmanpe@live.com](mailto:daleortmanpe@live.com)

PO Box 1233  
Oracle, AZ 85623

[attachment "09381962 TM Rosemont 05AUG10.pdf" deleted by Beverley A Everson/R3/USDAFS]  
[attachment "Comments on RCC Model 20100730.docx" deleted by Beverley A

**From:** [Debby Kriegel](#)  
**To:** [Tom Furgason](#)  
**Cc:** [Beverley A Everson](#); [Melinda D Roth](#)  
**Subject:** Re: FW: Rosemont Landforming Assessment Proposal  
**Date:** 12/02/2009 07:21 AM

---

I'd like to share this scope of work with Horst. Can I send this version to him? Or should I wait until everyone has reviewed it and revisions made? Please let me know. Thanks.

▼ ["Tom Furgason" <tfurgason@swca.com>](#)

**"Tom Furgason"**  
**<tfurgason@swca.com>**

12/01/2009 05:03 PM

To <beverson@fs.fed.us>, "Melinda D Roth" <mroth@fs.fed.us>, "Debby Kriegel" <dkriegel@fs.fed.us>  
cc <rlaford@fs.fed.us>, <jsturgess@augustaresource.com>, "Dale Ortman " <daleortmanpe@live.com>  
Subject FW: Rosemont Landforming Assessment Proposal

Bev,

Attached is Golder's SOW for your consideration. Please let me know ASAP if you feel that George missed anything. I have forwarded a copy with the costs to Rosemont for their consideration.

Tom

---

**From:** Kelley Cox  
**Sent:** Tuesday, December 01, 2009 4:51 PM  
**To:** Tom Furgason  
**Subject:** FW: Rosemont Landforming Assessment Proposal

For you -

*Kelley Cox*  
Senior Administrator  
**SWCA** Environmental Consultants  
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Tucson, Arizona 85701  
Phone: 520-325-9194 Fax: 520-325-2033  
[www.swca.com](http://www.swca.com)  
Sound Science, Creative Solutions.®

---

**From:** Tom Furgason  
**Sent:** Tuesday, December 01, 2009 4:28 PM  
**To:** Kelley Cox  
**Subject:** FW: Rosemont Landforming Assessment Proposal

Kelley,

Can you please delete the last sheet and black out the cost estimate on Page 2? Thanks.

Tom

---

**From:** Annandale, George [mailto:George\_Annandale@golder.com]  
**Sent:** Monday, November 30, 2009 4:26 PM  
**To:** Tom Furgason  
**Cc:** Dale Ortman PE; Kidd, Dave; Melissa Reichard  
**Subject:** Rosemont Landforming Assessment Proposal

Tom

Please find attached the proposal for the landforming assessment.

I will appreciate it if you can let me know whether the client approved so that we can commence with the work.

Sincerely,

**George W. Annandale, D.Ing., P.E.** | Practice / Program Leader |  
**Golder Associates Inc.**

44 Union Blvd, Suite 300, Lakewood, Colorado, USA 80228

**T:** +1 (303) 980-0540 | **D:** +1-720-920-4612 | **F:** +1 (303) 985-2080 |

**C:** +1 (720) 244-3865 | **E:** [george\\_annandale@golder.com](mailto:george_annandale@golder.com) |

[www.golder.com](http://www.golder.com)

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**Please consider the environment before printing this email.**

[attachment "09381962 Ltr RosemontMinePropVer1RevB 30NOV09.pdf" deleted  
by Debby Kriegel/R3/USDAFS]

**From:** [Melinda D Roth](#)  
**To:** [Larry Jones](#)  
**Cc:** [Beverley A Everson](#); [Rochelle Desser](#)  
**Subject:** Re: Fw: Rosemont Wildlife Specialist Report  
**Date:** 03/29/2010 01:00 PM

---

Larry, I just sent the IDT a document shared by Rochelle about Specialist Reports. Comparison of Geoff's specialist report to Rochelle's guidance might give you some ideas when you're at the point of looking at the referenced report.

Mindee Roth  
Coronado National Forest  
300 W. Congress, FB42  
Tucson, AZ 85701  
(520) 388-8319  
(520) 396-0715 (cell)  
(520) 388-8305 (FAX)

▼ [Larry Jones/R3/USDAFS](#)

**Larry  
Jones/R3/USDAFS**

03/24/2010 02:22 PM

To: Rochelle Desser/WO/USDAFS@FSNOTES  
cc: Beverley A Everson/R3/USDAFS@FSNOTES, Melinda D Roth/R3/USDAFS@FSNOTES  
Subject: Re: Fw: Rosemont Wildlife Specialist Report 

I haven't looked at it yet...but will spend some time with it now. I just sent a related message about the flow of bio documents and reviews of reports.

Larry Jones  
Wildlife, Fish, and Rare Plants  
Coronado National Forest  
300 W Congress  
Tucson, AZ 85701

520-388-8375  
[ljones02@fs.fed.us](mailto:ljones02@fs.fed.us)

▼ [Rochelle Desser/WO/USDAFS](#)

**Rochelle  
Desser/WO/USDAFS**

03/24/2010 10:44 AM

To: Larry Jones/R3/USDAFS@FSNOTES, Melinda D Roth/R3/USDAFS@FSNOTES, Beverley A Everson/R3/USDAFS@FSNOTES  
cc:  
Subject: Fw: Rosemont Wildlife Specialist Report

Not sure the value in this report as a stand alone product...it seems to be a good start but certainly not comprehensive enough to be the formal wildlife report. thoughts?



**Rochelle Desser**  
**Natural Resource Planner**  
**Office Phone: 541-596-2453**  
**Cell Phone: 559-359-8114**  
**Conference Line: 866-919-8394**  
**with Pass Code # 128398**  
**PO Box 687 O'Brien, OR 97534**

----- Forwarded by Rochelle Desser/WO/USDAFS on 03/24/2010 10:41 AM -----

"Tom Furgason"  
<tfurgason@swca.com>

03/24/2010 10:32 AM

To "Beverley A Everson" <beverson@fs.fed.us>,  
"Melinda D Roth" <mroth@fs.fed.us>

cc "Melissa Reichard" <mreichard@swca.com>,  
"Rochelle Desser" <rdesser@fs.fed.us>

Subject FW: Rosemont Specialist Report

FYI

**From:** Geoff Soroka  
**Sent:** Wednesday, March 24, 2010 10:21 AM  
**To:** Larry Jones  
**Cc:** Tom Furgason  
**Subject:** Rosemont Specialist Report

Larry,

I am happy to inform you that the Rosemont wildlife specialist report is finished and attached to this email. You will see both the Word and pdf versions. The Word version would have been too large to send by email with all of the figures and appendices inserted, so I included the pdf version so that you could see how the final version of the report will look with those inserted. I will try to get the BE over to you soon...maybe early next week?

I was also wondering after a conversation I just had with Tom, I know we talked about these a little yesterday, but when do you anticipate your review and edits to the Migratory Bird and MIS reports to be complete so that those reports will make their way to the project record?

As a side note, could you also please send me a copy of Marc Baker's *Hexalectris* report? Either electronic or paper would be fine.

Thank you!

Geoffrey Soroka

SWCA Biologist/Project Manager

Tucson Office

(520) 325-9194

gsoroka@swca.com

[attachment "11204\_Rosemont\_Wildlife\_Report\_032310\_CE.pdf" deleted by Rochelle Desser/WO/USDAFS] [attachment "11204\_Rosemont\_Wildlife\_Report\_032310\_CE.doc" deleted by Rochelle Desser/WO/USDAFS]

**From:** [Mark E Schwab](#)  
**To:** [Beverley A Everson](#)  
**Subject:** Re: Fw: SRK review of geochemical test work prepared for Rosemont Copper  
**Date:** 10/09/2009 10:56 AM

---

Hi Bev - I've been out most of this week... thank you for your e-mail and invite, and sorry I missed the teleconf. Thanks, but I don't think I need to speak with Rob.

Mark E. Schwab, Arizona Zone Geologist  
Tonto National Forest, 2324 E. McDowell Rd.  
Phoenix, AZ 85006 office: 602-225-5266  
Fax: 602-225-5295 cell: 623-680-6045  
e-mail: mschwab@fs.fed.us

▼ [Beverley A Everson/R3/USDAFS](#)

**Beverley A  
Everson/R3/USDAFS**

10/05/2009 03:08 PM

To: Michael A Linden/R3/USDAFS@FSNOTES, Salek Shafiqullah/R3/USDAFS@FSNOTES  
cc: Mark E Schwab/R3/USDAFS@FSNOTES, Roger D Congdon/R3/USDAFS@FSNOTES  
Subject: Re: Fw: SRK review of geochemical test work prepared for Rosemont Copper 

Mark or Roger, if either of you needs the discussion with Rob Bowell, please speak up. Salek, do you think a call would be useful?

Beverley A. Everson  
Forest Geologist  
Coronado National Forest  
300 W. Congress Street, 6th Floor  
Tucson, AZ. 85701

Voice: 520-388-8428  
Fax: 520-388-8305

▼ [Michael A Linden/R3/USDAFS](#)

**Michael A  
Linden/R3/USDAFS**

10/02/2009 03:07 PM

To: Beverley A Everson/R3/USDAFS@FSNOTES  
cc: Roger D Congdon/R3/USDAFS@FSNOTES, Mark E Schwab/R3/USDAFS@FSNOTES  
Subject: Re: Fw: SRK review of geochemical test work prepared for Rosemont Copper 

Bev, .....Roger Congdon and I have reviewed the SRK Technical Memo...overall we have no problem with their assessment of the two documents concerning geochemical test work....they seem to make valid points about some possible deficiencies in the studies. If these deficiencies haven't already been addressed....now's a good time to address them in some way.

Michael A. Linden, Regional Geologist  
USDA Forest Service, Southwestern Region  
333 Broadway, S. E., Albuquerque, NM 87102  
(505) 842-3158 Fax (505) 842-3152  
e-mail: mlinden@fs.fed.us

▼ Beverley A Everson/R3/USDAFS

**Beverley A  
Everson/R3/USDAFS**

09/24/2009 06:28 PM

To Salek Shafiqullah/R3/USDAFS@FSNOTES, Michael A Linden/R3/USDAFS@FSNOTES, Eli Curiel/R3/USDAFS@FSNOTES, Walter Keyes/R3/USDAFS@FSNOTES, Mark E Schwab/R3/USDAFS@FSNOTES, Roger D Congdon/R3/USDAFS@FSNOTES  
cc  
Subject Fw: SRK review of geochemical test work prepared for Rosemont Copper

Beverley A. Everson  
Forest Geologist  
Coronado National Forest  
300 W. Congress Street, 6th Floor  
Tucson, AZ. 85701

Voice: 520-388-8428  
Fax: 520-388-8305

----- Forwarded by Beverley A Everson/R3/USDAFS on 09/24/2009 05:27 PM -----

**"Tom Furgason"  
<tfurgason@swca.com>**

09/24/2009 03:43 PM

To "Beverley A Everson" <beverson@fs.fed.us>, "Melinda D Roth" <mroth@fs.fed.us>  
cc "Charles Coyle" <ccoyle@swca.com>, "Dale Ortman PE" <daleortmanpe@live.com>, "Hoag, Cori" <choag@srk.com>, "Melissa Reichard" <mreichard@swca.com>  
Subject FW: SRK review of geochemical test work prepared for Rosemont Copper

Bev,

Attached is SRK's review of the *Preliminary Trip Report and Phase 1 Sampling and Analysis Plan* (Vector, 2006) and *Baseline Geochemical Characterization – Rosemont Copper* (main text, Appendix A, and Appendix B) (Tetra Tech, 2007) submitted by Rosemont. Would it be possible for the CNF have its review of this document completed by the end of next week (Oct. 2) so that we may respond to SRK in a timely manner such that they can respond to any comments from your staff? Specifically, we need your specialists to comment on SRK's work in presenting their professional opinion, not on what additional information, if any, may be required from Rosemont. At the end of our comment period we will request SRK to edit their memo or accept it as final. Should there be comments for SRK to consider, we anticipate their response to take one week. Then, based on the memo we may elect to pursue additional input from SRK and/or information from Rosemont. Feel free to contact Dale or me if you have any questions.

**Tom Furgason**

Program Director  
[SWCA Environmental Consultants](#)  
343 West Franklin Street  
Tucson, AZ 85701  
(520) 325-9194 ext. 110  
(520) 820-5178 mobile  
(520) 325-2033 fax

---

**From:** Hoag, Cori [mailto:choag@srk.com]  
**Sent:** Thursday, September 24, 2009 11:54 AM  
**To:** Charles Coyle; Tom Furgason  
**Cc:** Dale Ortman PE; Bowell, Rob; Stone, Claudia  
**Subject:** SRK review of geochemical test work prepared for Rosemont Copper

Charles and Tom,  
Please find attached the review by SRK Consulting of two reports prepared by Vector (2006) and Tetra Tech (2007) on the geochemical test work performed for Rosemont Copper. Please let me know if you have any questions.

Regards, Cori

Corolla K Hoag, R.G.  
Principal Geologist

SRK Consulting (U.S.), Inc.  
3275 W. Ina Rd. Suite 240  
Tucson, AZ 85741  
Work: (520) 544-3688  
Fax: (520) 544-9853  
Mobile: (520) 400-4135

[attachment "Rosemont\_PrelimGeochem\_Review\_183101\_20090924\_rb-ckh\_FNL.pdf" deleted by Mark E Schwab/R3/USDAFS]

**From:** Larry Jones [mailto:ljones02@fs.fed.us]  
**Sent:** Wednesday, December 16, 2009 9:33 AM  
**To:** Beverley A Everson  
**Cc:** Melinda D Roth; Melissa Reichard  
**Subject:** Re: Fw: trip reports

I pdf'ed and put them into WebEx a while back, so according to our last IDT meeting, Melissa would have taken care of including them in the project record.

Larry Jones  
Wildlife, Fish, and Rare Plants  
Coronado National Forest  
300 W Congress  
Tucson, AZ 85701

520-388-8375  
ljones02@fs.fed.us

**Beverley A Everson/R3/USDAFS**

12/14/2009 04:23 PM

To Melinda D Roth/R3/USDAFS@FSNOTES, Larry Jones/R3/USDAFS@FSNOTES  
cc  
Subject Fw: trip reports

Mindee and Larry,

Did either of you submit these to SWCA for the record, or should I forward them?

Bev

Beverley A. Everson  
Forest Geologist  
Coronado National Forest  
300 W. Congress Street, 6th Floor  
Tucson, AZ. 85701

Voice: 520-388-8428  
Fax: 520-388-8305

----- Forwarded by Beverley A Everson/R3/USDAFS on 12/14/2009 04:21 PM -----

**Larry  
Jones/R3/USDAFS**

11/06/2009 02:36  
PM

To jim\_rorabaugh@fws.gov, msredl@azgfd.gov, jason\_douglas@fws.gov, Julia.Fonseca@rfcd.pima.gov, Mike\_Martinez@fws.gov, tfurgason@swca.com, Marcia\_Radke@blm.gov, turner.dennis@azdeq.gov, lagrignano@azwater.gov, rcasavant@azstateparks.gov, jsorensen@azgfd.gov, Cat\_Crawford@fws.gov, doug\_duncan@fws.gov, Marit\_Alanen@fws.gov, Jeff\_Simms@blm.gov, sidner@u.arizona.edu, JWIndes@azgfd.gov, karen.howe@tonation-nsn.gov, tsnow@azgfd.gov, gsoroka@swca.com, abest@westlandresources.com, SEhret@azgfd.gov, dtilton@azgfd.gov, mwalton@azgfd.gov, Richard A Gerhart/R3/USDAFS@FSNOTES, Bobbi L Barrera/R3/USDAFS@FSNOTES, Deborah K

Sebesta/R3/USDAFS@FSNOTES, kkertell@swca.com, blindenlaub@westlandresources.com,  
scott\_richardson@fws.gov, Keith\_Hughes@blm.gov, Marjorie.E.Blaine@usace.army.mil  
cc Melinda D Roth/R3/USDAFS@FSNOTES, Beverley A Everson/R3/USDAFS@FSNOTES  
Subject trip reports

Rosemont Coop Agency Bios:

Attached are three previous coop agency and FWS biologist field trip reports. We went out with WestLand to talk about their surveys and talk about the proposed Rosemont Copper Mine project and implications for the target taxa (Lesser Long-nosed Bat, talussnails, and Chiricahua Leopard Frogs).

Part of the reason I put together this group email list is because many of the coop agency bios didn't know about the field trips. But, at least I can share the reports and we can plan trips in the future!

[attachment "Microsoft Word - Rosemont Copper Project Bat Field Trip Report.pdf" deleted by Beverley A Everson/R3/USDAFS] [attachment "Microsoft Word - J Sorensen field notes from 9-18-09 Rosemont visit.pdf" deleted by Beverley A Everson/R3/USDAFS] [attachment "Microsoft Word - 09\_15\_CLF\_Field\_Notes.pdf" deleted by Beverley A Everson/R3/USDAFS]

Larry Jones  
Wildlife, Fish, and Rare Plants  
Coronado National Forest  
300 W Congress  
Tucson, AZ 85701

520-388-8375  
ljones02@fs.fed.us

**From:** [Melinda D Roth](#)  
**To:** [Beverley A Everson](#)  
**Subject:** Re: Fw: trip reports  
**Date:** 12/15/2009 01:46 PM

---

I did not forward them for the record.

Mindee Roth  
Coronado National Forest  
300 W. Congress, FB42  
Tucson, AZ 85701  
(520) 388-8319  
(520) 396-0715 (cell)  
(520) 388-8305 (FAX)

▼ [Beverley A Everson/R3/USDAFS](#)

**Beverley A  
Everson/R3/USDAFS**

To Melinda D Roth/R3/USDAFS@FSNOTES, Larry  
Jones/R3/USDAFS@FSNOTES

12/14/2009 04:23 PM

cc

Subject Fw: trip reports

Mindee and Larry,

Did either of you submit these to SWCA for the record, or should I forward them?

Bev

Beverley A. Everson  
Forest Geologist  
Coronado National Forest  
300 W. Congress Street, 6th Floor  
Tucson, AZ. 85701

Voice: 520-388-8428  
Fax: 520-388-8305

----- Forwarded by Beverley A Everson/R3/USDAFS on 12/14/2009 04:21 PM -----

**Larry  
Jones/R3/USDAFS**

11/06/2009 02:36 PM

To jim\_rorabaugh@fws.gov, msredl@azgfd.gov,  
jason\_douglas@fws.gov, Julia.Fonseca@rfcd.pima.gov,  
Mike\_Martinez@fws.gov, tfurgason@swca.com,  
Marcia\_Radke@blm.gov, turner.dennis@azdeq.gov,  
lagrignano@azwater.gov, rcasavant@azstateparks.gov,  
jsorensen@azgfd.gov, Cat\_Crawford@fws.gov,  
doug\_duncan@fws.gov, Marit\_Alanen@fws.gov,  
Jeff\_Simms@blm.gov, sidner@u.arizona.edu,  
JWindes@azgfd.gov, karen.howe@tonation-nsn.gov,

tsnow@azgfd.gov, gsoroka@swca.com,  
abest@westlandresources.com, SEhret@azgfd.gov,  
dtilton@azgfd.gov, mwalton@azgfd.gov, Richard A  
Gerhart/R3/USDAFS@FSNOTES, Bobbi L  
Barrera/R3/USDAFS@FSNOTES, Deborah K  
Sebesta/R3/USDAFS@FSNOTES, kkertell@swca.com,  
blindenlaub@westlandresources.com,  
scott\_richardson@fws.gov, Keith\_Hughes@blm.gov,  
Marjorie.E.Blaine@usace.army.mil

cc Melinda D Roth/R3/USDAFS@FSNOTES, Beverley A  
Everson/R3/USDAFS@FSNOTES

Subject trip reports

### Rosemont Coop Agency Bios:

Attached are three previous coop agency and FWS biologist field trip reports. We went out with WestLand to talk about their surveys and talk about the proposed Rosemont Copper Mine project and implications for the target taxa (Lesser Long-nosed Bat, talussnails, and Chiricahua Leopard Frogs). Part of the reason I put together this group email list is because many of the coop agency bios didn't know about the field trips. But, at least I can share the reports and we can plan trips in the future!

[attachment "Microsoft Word - Rosemont Copper Project Bat Field Trip Report.pdf" deleted by Beverley A Everson/R3/USDAFS] [attachment "Microsoft Word - J Sorensen field notes from 9-18-09 Rosemont visit.pdf" deleted by Beverley A Everson/R3/USDAFS] [attachment "Microsoft Word - 09\_15\_CLF\_Field\_Notes.pdf" deleted by Beverley A Everson/R3/USDAFS]

Larry Jones  
Wildlife, Fish, and Rare Plants  
Coronado National Forest  
300 W Congress  
Tucson, AZ 85701

520-388-8375  
ljones02@fs.fed.us

**From:** [Melissa Reichard](#)  
**To:** [Beverley A Everson](#); [Sarah L Davis](#)  
**Cc:** [Melinda D Roth](#); [Tom Furgason](#); [Teresa Ann Ciapusci](#); [Reta Laford](#)  
**Subject:** RE: Fw: trip reports  
**Date:** 12/16/2009 09:50 AM

---

Ladies-

I think there might be some confusion on my part. All of the resource reports, tech memos, etc are things that my team are putting in the record. I think it is very necessary that if the specialists (FS & SWCA) have meeting notes, comments, reviews, etc that need to go in the record, they need to be the ones to designate that. Besides the intense time crunch that my team is dealing with in compiling this record, I feel pretty strongly that the resource specialists are the ones that should decide what goes in their record for their resource.

For the SWCA team, I have designated a folder labeled "For Record" that they can put files in and alert me so that I pull them off. This eliminates any confusion about what documents are representing work for that resource. If you are instructing your specialists to do otherwise, we need to schedule a small meeting to discuss this and the implications of it.

I look forward to your thoughts!

*Melissa*

*"Science is organized knowledge. Wisdom is organized life." -Immanuel Kant*

---

**From:** Larry Jones [mailto:[ljones02@fs.fed.us](mailto:ljones02@fs.fed.us)]  
**Sent:** Wednesday, December 16, 2009 9:33 AM  
**To:** Beverley A Everson  
**Cc:** Melinda D Roth; Melissa Reichard  
**Subject:** Re: Fw: trip reports

I pdf'ed and put them into WebEx a while back, so according to our last IDT meeting, Melissa would have taken care of including them in the project record.

Larry Jones  
Wildlife, Fish, and Rare Plants  
Coronado National Forest  
300 W Congress  
Tucson, AZ 85701

520-388-8375  
[ljones02@fs.fed.us](mailto:ljones02@fs.fed.us)

**Beverley A Everson/R3/USDAFS**

12/14/2009 04:23 PM

To Melinda D Roth/R3/USDAFS@FSNOTES, Larry  
Jones/R3/USDAFS@FSNOTES

cc

Subject Fw: trip reports

Mindee and Larry,

Did either of you submit these to SWCA for the record, or should I forward them?

Bev

Beverley A. Everson  
Forest Geologist  
Coronado National Forest  
300 W. Congress Street, 6th Floor  
Tucson, AZ. 85701

Voice: 520-388-8428

Fax: 520-388-8305

----- Forwarded by Beverley A Everson/R3/USDAFS on 12/14/2009 04:21 PM -----

**Larry Jones/R3/USDAFS**

11/06/2009 02:36 PM

To jim\_rorabaugh@fws.gov, msredl@azgfd.gov,  
jason\_douglas@fws.gov, Julia.Fonseca@rfcd.pima.gov,  
Mike\_Martinez@fws.gov, tfurgason@swca.com,  
Marcia\_Radke@blm.gov, turner.dennis@azdeq.gov,  
lagrignano@azwater.gov, rcasavant@azstateparks.gov,  
jsorensen@azgfd.gov, Cat\_Crawford@fws.gov,  
doug\_duncan@fws.gov, Marit\_Alanen@fws.gov,  
Jeff\_Simms@blm.gov, sidner@u.arizona.edu, JWindes@azgfd.gov,  
karen.howe@tonation-nsn.gov, tsnow@azgfd.gov,  
gsoroka@swca.com, abest@westlandresources.com,  
SEhret@azgfd.gov, dtilton@azgfd.gov, mwalton@azgfd.gov, Richard  
A Gerhart/R3/USDAFS@FSNOTES, Bobbi L  
Barrera/R3/USDAFS@FSNOTES, Deborah K  
Sebesta/R3/USDAFS@FSNOTES, kkertell@swca.com,  
blindenlaub@westlandresources.com, scott\_richardson@fws.gov,  
Keith\_Hughes@blm.gov, Marjorie.E.Blaine@usace.army.mil  
cc Melinda D Roth/R3/USDAFS@FSNOTES, Beverley A  
Everson/R3/USDAFS@FSNOTES

Subject trip reports

Rosemont Coop Agency Bios:

Attached are three previous coop agency and FWS biologist field trip reports. We went out with WestLand to talk about their surveys and talk about the proposed Rosemont Copper Mine project and implications for the target taxa (Lesser Long-nosed Bat, talussnails, and Chiricahua Leopard Frogs).

Part of the reason I put together this group email list is because many of the coop agency bios didn't know about the field trips. But, at least I can share the reports and we can plan trips in the future!

[attachment "Microsoft Word - Rosemont Copper Project Bat Field Trip Report.pdf" deleted by Beverley A Everson/R3/USDAFS] [attachment "Microsoft Word - J Sorensen field notes from 9-18-09 Rosemont visit.pdf" deleted by Beverley A Everson/R3/USDAFS] [attachment "Microsoft Word - 09\_15\_CLF\_Field\_Notes.pdf" deleted by Beverley A Everson/R3/USDAFS]

Larry Jones  
Wildlife, Fish, and Rare Plants  
Coronado National Forest  
300 W Congress  
Tucson, AZ 85701

520-388-8375

**From:** [Melinda D Roth](#)  
**To:** [Beverley A Everson](#)  
**Cc:** [Reta Laford](#)  
**Subject:** Re: Fw: Year-End Scheduling Information for Supervisors  
**Date:** 11/13/2009 03:13 PM

---

I think we are OK with some occasional over time, even though the workplan doesn't have any OT built in. I think it needs to be closely watched. Reta suggested OT authorizations be completed each pay period, so we could monitor how much is being used and make sure it is being used appropriately. Rosemont should come first for most people and not be what they work on after other work and on over time. I wouldn't expect Debby to abuse OT, although she does identify working on some other things, causing a need to work on Rosemont on OT.

Mindee Roth  
Coronado National Forest  
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(520) 388-8319  
(520) 396-0715 (cell)  
(520) 388-8305 (FAX)

▼ [Beverley A Everson/R3/USDAFS](#)

**Beverley A  
Everson/R3/USDAFS**

To Reta Laford/R3/USDAFS@FSNOTES, Melinda D  
Roth/R3/USDAFS@FSNOTES

cc

11/13/2009 02:14 PM

Subject Fw: Year-End Scheduling Information for Supervisors

I thought we were okay with the teaming using overtime for Rosemont?

Beverley A. Everson  
Forest Geologist  
Coronado National Forest  
300 W. Congress Street, 6th Floor  
Tucson, AZ. 85701

Voice: 520-388-8428  
Fax: 520-388-8305

----- Forwarded by Beverley A Everson/R3/USDAFS on 11/13/2009 02:13 PM -----

**Debby  
Kriegel/R3/USDAFS**

To Beverley A Everson/R3/USDAFS@FSNOTES  
cc Melinda D Roth/R3/USDAFS@FSNOTES, Reta  
Laford/R3/USDAFS@FSNOTES

11/13/2009 10:35 AM

Subject Re: Fw: Year-End Scheduling Information for

I'm still hoping to be able to take annual leave the day after Thanksgiving and the last 2 weeks of December. If I am able to do this, and if I immediately stop working over 8 hours a day, and if I don't have to burn any of my comp time this year, I'd wind up with about 7 days of cancelled leave. Potentially it could be more.

Reta suggested to me that I fill out the cancelled leave forms, just in case the overtime isn't possible.

In the mean time, I'm realizing that overtime may not solve the problem anyway. I could theoretically charge overtime for pay periods that I work over 80 hours (assuming I can charge a few days to non-Rosemont, a few days to Rosemont, and all the overtime to Rosemont), but I'd still have annual leave that I can't use, right?

It'd be nice to give all IDT members some advice on dealing with this.

▼ Beverley A Everson/R3/USDAFS

**Beverley A  
Everson/R3/USDAFS**

11/13/2009 09:14 AM

To Debby Kriegel/R3/USDAFS@FSNOTES, Melinda D Roth/R3/USDAFS@FSNOTES

cc Reta Laford/R3/USDAFS@FSNOTES

Subject Re: Fw: Year-End Scheduling Information for Supervisors 

As long as you're working on Rosemont, it's okay. Any idea on how much overtime you will be charging to?

Beverley A. Everson  
Forest Geologist  
Coronado National Forest  
300 W. Congress Street, 6th Floor  
Tucson, AZ. 85701

Voice: 520-388-8428  
Fax: 520-388-8305

▼ Debby Kriegel/R3/USDAFS

**Debby  
Kriegel/R3/USDAFS**

To Beverley A Everson/R3/USDAFS@FSNOTES, Reta Laford/R3/USDAFS@FSNOTES

11/12/2009 07:50 AM

cc

Subject Fw: Year-End Scheduling Information for Supervisors

Is it ok if I work some overtime through December and charge it to Rosemont?

----- Forwarded by Debby Kriegel/R3/USDAFS on 11/12/2009 07:49 AM -----

**Celeste A  
Gordon/R3/USDAFS**

To Debby Kriegel/R3/USDAFS@FSNOTES

cc Reta Laford/R3/USDAFS@FSNOTES

11/10/2009 01:07 PM

Subject Re: Fw: Year-End Scheduling Information for Supervisors 

I would prefer that you use your Annual, if you don't then next year will be a problem with too much leave to burn. So if there is an option to spend a few long days w/OT from Rosemont that would be the best. Work with Bev and Reta to come to a consensus, I don't want you to have to take off for two months straight at the end of next year which is what could happen...Thanks cg

---

Celeste Gordon  
Acting District Ranger Mogollon Rim Ranger Dist.  
Coconino National Forest  
Ph. (928) 477-5001  
email: cgordon@fs.fed.us

-----  
▼ [Debby Kriegel/R3/USDAFS](#)

**Debby  
Kriegel/R3/USDAFS**

To Celeste A Gordon/R3/USDAFS@FSNOTES

cc

11/10/2009 11:31 AM

Subject Re: Fw: Year-End Scheduling Information for Supervisors 

It is very likely that Rosemont work will require some of my use-or-lose leave to be cancelled, and all IDT members have been told that this may be necessary. You signed a request for leave for me on 10/8 and I've already been unable to take 3.5 days of AL that were planned. This trend is likely to continue through the rest of the year, as much as I've been trying to burn AL whenever possible. I'll plan to follow these instructions to ensure my leave is restored next year. Is this ok with you? An alternative is overtime, but this may be problematic because it would cost

the Rosemont project more. Mental healthwise it makes no difference to me, and I'm hopeful that there is a light at the end of the tunnel soon -- a new MOU with Rosemont and scope of work for SWCA are expected in the next couple of months.

▼ Celeste A Gordon/R3/USDAFS

**Celeste A  
Gordon/R3/USDAFS**  
11/10/2009 10:11 AM

To Debby Kriegel/R3/USDAFS@FSNOTES  
cc Reta Laford/R3/USDAFS@FSNOTES  
Subject Fw: Year-End Scheduling Information for Supervisors

Debby, per our conversation last week, whats going on with AL use or lose and Rosemont??...thks cg

---

Celeste Gordon  
Acting District Ranger Mogollon Rim Ranger Dist.  
Coconino National Forest  
Ph. (928) 477-5001  
email: cgordon@fs.fed.us

-----

----- Forwarded by Celeste A Gordon/R3/USDAFS on 11/10/2009 10:10 AM -----

**Linda  
Edmunds/R3/USDAFS**  
11/10/2009 09:46 AM

To Richard Ahern/R3/USDAFS@FSNOTES, Kendall Brown/R3/USDAFS@FSNOTES, Andrea W Campbell/R3/USDAFS@FSNOTES, Tom Cassell/R3/USDAFS@FSNOTES, Teresa Ann Ciapusci/R3/USDAFS@FSNOTES, Kevin Coyle/R3/USDAFS@FSNOTES, Eli Curiel/R3/USDAFS@FSNOTES, Mary M Farrell/R3/USDAFS@FSNOTES, Richard A Gerhart/R3/USDAFS@FSNOTES, William B Gillespie/R3/USDAFS@FSNOTES, Celeste A Gordon/R3/USDAFS@FSNOTES, Peter A Gordon/R3/USDAFS@FSNOTES, Chuck Holt/R3/USDAFS@FSNOTES, Allen C Jaten/WO/USDAFS@FSNOTES, Robert Lefevre/R3/USDAFS@FSNOTES, George McKay/R3/USDAFS@FSNOTES, Daniel Montez/R3/USDAFS@FSNOTES, Sylvia Nunez/R3/USDAFS@FSNOTES, Melinda D Roth/R3/USDAFS@FSNOTES, Jennifer Ruyle/R3/USDAFS@FSNOTES, Pete Schwab/R3/USDAFS@FSNOTES, Melissa Shafiqullah/R3/USDAFS@FSNOTES, Randall A Smith/R3/USDAFS@FSNOTES, Greg Urquidez/R3/USDAFS@FSNOTES, Carl Ostermann/R3/USDAFS@FSNOTES, Heidi Schewel/R3/USDAFS@FSNOTES

cc Jeanine Derby/R3/USDAFS@FSNOTES, Reta Laford/R3/USDAFS@FSNOTES

Subject Year-End Scheduling Information for Supervisors

[attachment "Year-end Scheduling.pdf" deleted by Debby Kriegel/R3/USDAFS]  
[attachment "Exigency Cancellation.doc" deleted by Debby Kriegel/R3/USDAFS]  
[attachment "Restoration Request Letter.doc" deleted by Debby Kriegel/R3/USDAFS]  
[attachment "OPM71.pdf" deleted by Debby Kriegel/R3/USDAFS] [attachment  
"RestoredAnnualleavechecklist.doc" deleted by Debby Kriegel/R3/USDAFS]

Linda J. Edmunds  
Fire Program Support  
Coronado National Forest  
(520) 388-8320  
ledmunds@fs.fed.us

**From:** [Mary M Farrell](#)  
**To:** [Beverley A Everson](#)  
**Cc:** [William B Gillespie](#); [Debby Kriegel](#)  
**Subject:** Re: Horst's draft final report  
**Date:** 04/22/2010 12:54 PM

---

thanks, Bev! in my quick review I didn't see anything that jumped out at me, but I also skimmed Debby's comments and they make sense to me.

Mary M. Farrell  
Heritage Program Leader and Tribal Liaison  
Coronado National Forest  
300 W. Congress  
Tucson, AZ 85701  
(520) 388-8391  
(520) 388-8305 (fax)  
▼ [Beverley A Everson/R3/USDAFS](#)

**Beverley A  
Everson/R3/USDAFS**

To: Mary M Farrell/R3/USDAFS@FSNOTES  
cc

04/22/2010 12:31 PM Subject: Horst's draft final report

Hi Mary,

Here's the report you're looking for, along with some comments about it from Debby.

Bev

Beverley A. Everson  
Forest Geologist  
Coronado National Forest  
300 W. Congress Street, 6th Floor  
Tucson, AZ. 85701

Voice: 520-388-8428  
Fax: 520-388-8305

----- Forwarded by Beverley A Everson/R3/USDAFS on 04/22/2010 12:30 PM -----

**Melinda D  
Roth/R3/USDAFS**

To: Beverley A Everson/R3/USDAFS@FSNOTES  
cc

04/19/2010 08:54 AM Subject: Fw: Horst's draft final report - Debby's draft comments

landforming report and Debby's comments

Mindee Roth  
Coronado National Forest  
300 W. Congress, FB42  
Tucson, AZ 85701  
(520) 388-8319  
(520) 396-0715 (cell)  
(520) 388-8305 (FAX)

----- Forwarded by Melinda D Roth/R3/USDAFS on 04/19/2010 08:53 AM -----

**"Dale Ortman PE"**  
<daleortmanpe@live.com>

04/16/2010 09:49 AM

To ""Debby Kriegel"" <dkriegel@fs.fed.us>  
cc ""Tom Furgason"" <tfurgason@swca.com>,  
""Beverley A Everson"" <beverson@fs.fed.us>,  
""Melinda D Roth"" <mroth@fs.fed.us>, ""Salek  
Shafiqullah - USFS"" <sshafiqullah@fs.fed.us>,  
""Rochelle Dresser"" <rdesser@fs.fed.us>, ""Marcie  
Bidwell"" <mbidwell@swca.com>  
Subject RE: Horst's draft final report - Debby's draft  
comments

Debby,

Yes, there are major issues with this report. I'm committed to other work until early next week, but I will get back to you at that time. Please continue thinking about the report and engage with the other IDT members to develop a suite of comments from the CNF. I'm targeting having a set of comments for Horst by the latter part of next week. The contract gives us one round of review for the draft report so I want to be sure we have everyone's input.

Regards,

Dale

---

Dale Ortman PE PLLC  
Consulting Engineer

(520) 896-2404 - Arizona Office  
(520) 449-7307 - Mobile  
(435) 682-2777 - Utah Office

[daleortmanpe@live.com](mailto:daleortmanpe@live.com)

PO Box 1233  
Oracle, AZ 85623

**From:** Debby Kriegel [mailto:dkriegel@fs.fed.us]  
**Sent:** Thursday, April 15, 2010 10:39 AM  
**To:** daleortmanpe@live.com  
**Subject:** Horst's draft final report - Debby's draft comments

Dale,

I just reviewed the report and here are my initial comments. I'd like to consolidate all of our comments (mine, yours, Salek's, and maybe Tom and/or Marcie's).

In the mean time, please give me a call to discuss. There are some fairly major issues....

~~~~~  
Debby Kriegel, RLA
Landscape Architect
Coronado National Forest
300 W. Congress
Tucson, AZ 85701
(520) 388-8427
Fax (520) 388-8305
www.fs.fed.us/r3/coronado/
dkriegel@fs.fed.us[attachment "Review_of_draft_final_report_DK.docx"
deleted by Mary M Farrell/R3/USDAFS] [attachment "Rosemont Report
-041310-final draft.pdf" deleted by Mary M Farrell/R3/USDAFS]

From: [Mary M Farrell](#)
To: [Beverley A Everson](#)
Cc: [Reta Laford](#); [William B Gillespie](#); tfurgason@swca.com
Subject: Re: Jan. 13, 2010 Rosemont Extended IDT Meeting Agenda
Date: 01/12/2010 05:21 PM

Hi, Bev,

I was disturbed to hear that the edits Bill and I had submitted on the heritage sections of the mitigation table weren't incorporated into the version prepared for yesterday's meeting with Rosemont and SWCA -- sounds like a lot of unnecessary frustration and redundancy for all of you discussing the original version rather than what we had tried to fix!

From what I understand from talking to Bill, Jonathon did receive our changes by Jan 6 (my edits were posted on WebEx Dec 30), plus took notes at the meeting Monday, so there are plans afoot to fix it. The mitigation table sent out this afternoon still doesn't incorporate our changes, though, which makes me think:

- (a) Jonathon hasn't had time to fix it yet and plans to do so later, or,
- (b) the group editing mode, with all of us firing suggestions and sending our separate documents to Jonathon or posting them on WebEx, is not working well.

If either of these is right, you probably don't want Bill or I at the Wed and Thurs afternoon mitigation meetings, correct? Because if (a), it seems it'd be inefficient to go over the table again before he's incorporated the work we've already done. If (b), then perhaps it'd be easier for Bill or I to work one-on-one with Jonathon. But let me know if there's some third explanation out there, and it would be useful for me to come to the afternoon meetings!

It's late already today, and we can figure this out tomorrow morning, just wanted to let you know my question ahead of time. BTW, I really appreciate your calm and insightful leadership in this difficult process.

Mary

Mary M. Farrell
Heritage Program Leader and Tribal Liaison
Coronado National Forest
300 W. Congress
Tucson, AZ 85701
(520) 388-8391
(520) 388-8305 (fax)
▼ [Beverley A Everson/R3/USDAFS](#)

**Beverley A
Everson/R3/USDAFS**

01/12/2010 02:39 PM

To dsebesta/R3/USDAFS@FSNOTES, dkriegel@fs.fed.us,
ecuriel@fs.fed.us, gmckay@fs.fed.us,
kbrown03@fs.fed.us, kellett@fs.fed.us,
ljones02@fs.fed.us, Mary M

Farrell/R3/USDAFS@FSNOTES, Melinda D
Roth/R3/USDAFS@FSNOTES, mreichard@swca.com,
rlefevre@fs.fed.us, sldavis@fs.fed.us,
sshafiqullah@fs.fed.us, temmett@fs.fed.us,
tfurgason@swca.com, Walter
Keyes/R3/USDAFS@FSNOTES, William B
Gillespie/R3/USDAFS@FSNOTES, Arthur S
Elek/R3/USDAFS@FSNOTES, Charles A
Blair/R3/USDAFS@FSNOTES

cc

Subject Jan. 13, 2010 Rosemont Extended IDT Meeting
Agenda

Hi Everyone,

Enclosed is the agenda for the team meeting tomorrow. Note that this is an extended team meeting, and that it's in 6V6 rather than 4B (which is our usual meeting place for extended team meetings).

There have been concerns expressed by the team in some of our last several meetings about the project schedule and work priorities, and also regarding communication with SWCA on the project. I've asked Reta to attend part of the meeting tomorrow to address these concerns. This is the team's opportunity to speak up and share your thoughts on the project directly with line, and I hope that you'll take advantage of the opportunity.

In addition to the half day IDT meeting, there will also be an afternoon meeting, from 1:00 to 5:00, to review mitigation with SWCA and Rosemont. I would appreciate core and extended team participation in that meeting, and if possible, another meeting on Thursday (same time) to continue mitigation review. Both afternoon meetings will also be in 6V6.

Thank you,

Bev

[attachment "Jan. 13, 2010 IDT Meeting Agenda.docx" deleted by Mary M Farrell/R3/USDAFS]

Beverley A. Everson
Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

Voice: 520-388-8428
Fax: 520-388-8305

From: [William B Gillespie](#)
To: [Jonathan Rigg](#)
Cc: [Mary Farrell](#); [Tom Furgason](#); sgriset@swca.com; [Melinda D Roth](#); [Beverley A Everson](#)
Subject: RE: Jan. 13, 2010 Rosemont Extended IDT Meeting Agenda
Date: 02/01/2010 01:17 PM
Attachments: [Jonathon's 1-20-10 Heritage Section_mmfwbq Comments.docx](#)

Hello Jonathan,

Mary Farrell and I have gone through the Heritage section of the Mitigation table and have made comments/suggestions in Track Changes. Hope you can make sense of all this. If not, give us a call.



Jonathon's 1-20-10 Heritage Section_mmfwbq Comments.docx

Bill G.

William Gillespie, Archaeologist
Coronado National Forest
300 W Congress
Tucson AZ 85701
Phone 520-388-8392
FAX 520-388-8305

▼ ["Jonathan Rigg" <jrigg@swca.com>](mailto:jrigg@swca.com)

"Jonathan Rigg"
<jrigg@swca.com>

01/20/2010 01:25 PM

To "Mary Farrell" <maryfarrellusfs@gmail.com>, "William B Gillespie" <wgillespie@fs.fed.us>
cc "Tom Furgason" <tfurgason@swca.com>
Subject RE: Jan. 13, 2010 Rosemont Extended IDT Meeting Agenda

Hi Mary and Bill,

I just got through the latest version of the Heritage Resource section of the mitigation table and, if possible, would you mind taking a look at it to see if I missed anything. This revised section reflects a combination of what we went over in the mitigation meeting with Rosemont and the emailed comments from Mary that I overlooked. With two different sources of edits, I would appreciate your vetting this version and/or editing with track changes on. I will make sure it makes its way back into the next total compilation table. If you have any questions, feel free to call me.

Thanks!!

Jonathan Rigg
Environmental Planner
SWCA Environmental Consultants
343 West Franklin Street
Tucson, Arizona
Phone: (520) 325-9194
Fax: (520) 325-2033
Email: jrigg@swca.com

From: Mary Farrell [<mailto:maryfarrellusfs@gmail.com>]

Sent: Thursday, January 14, 2010 7:03 AM

To: Tom Furgason

Cc: Mary M Farrell; Beverley A Everson; Reta Laford; William B Gillespie; Jonathan Rigg; Suzanne Griset

Subject: Re: Jan. 13, 2010 Rosemont Extended IDT Meeting Agenda

Tom, thanks for your thoughtful reply. You and Jonathan are completely correct-- Maybe dumping all those versions on him the way we did was like asking him to weave straw into gold, without any Rumpelstiltskin to help! It seemed like people were giving him more of a chance to take notes at yesterday afternoon's meeting, thanks to his polite but firm requests for sentences and ideas to be restated more clearly when they needed to be.

Jonathan -- thanks for your patience and perseverance, I'm just starting to realize the difficulties (and the importance) of the job you have, capturing the critical elements of whatever consensus or questions we come up with. Bill Gillespie and I will be in the field tomorrow and today Bill is working on a law enforcement case, but if there's some time this afternoon when I can help you make the heritage changes in the mitigation tables, please send an email or call me. I'm working at home, 620-6804, but would be glad to come to your office if you need me to help sort out the confusion we caused, at least in the heritage section! Or next Friday or the following week, if that works better for you.

Thanks!

Mary Farrell

On Wed, Jan 13, 2010 at 7:41 AM, Tom Furgason <tfurgason@swca.com> wrote:

Mary,

Thank you for letting us know your concerns regarding our omission of the edits to the Heritage section of the mitigation table. I know that this type of error is frustrating when you and Bill provided timely input and worked hard to keep the process moving. The two points you make are

valid:

Jonathan's time largely dedicated to the mitigation process. I talked to Jonathan after the last mitigation meeting and he informed me of the omission and felt that working with eight (8) versions of a 36-page table, submitted to him at various times, different people, and using a combination of WebEx and email directly led to the error. I have previously raised some concerns regarding the edit review process, but I'll revisit them with Bev and Mindee when I return to Tucson tomorrow.

I would also like to explain the purpose of the current round of mitigation meetings. Previously, these meetings were held for the benefit of the ID Team and SWCA. The ongoing meetings between the Coronado and Rosemont are both parties opportunity to negotiate mitigation that the Company will be bound by. These meetings are not for the benefit of SWCA. This is a very important step in the process and, while arduous, it is essential that the Specialists are 100 percent comfortable with the mitigation. It is entirely up to your management team whether you and Bill need to participate. Fortunately, Heritage Resources falls largely under Section 106 and mitigation is relatively straightforward. However, any minor change or nuance in the mitigation language could impact mitigation of resources not clearly spelled out in regs.

Jonathan will bring the revised Heritage sections to today's meeting. I will be in and out of meetings this morning, but you can try calling me on my cell if you would like to discuss this further. I appreciate that you took the time to clearly articulate your concerns regarding the mitigation process.

Tom

(520) 820-5178

From: Mary M Farrell [mailto:mfarrell@fs.fed.us]
Sent: Tue 1/12/2010 5:22 PM
To: Beverley A Everson
Cc: Reta Laford; William B Gillespie; Tom Furgason
Subject: Re: Jan. 13, 2010 Rosemont Extended IDT Meeting Agenda

Hi, Bev,

I was disturbed to hear that the edits Bill and I had submitted on the

heritage sections of the mitigation table weren't incorporated into the version prepared for yesterday's meeting with Rosemont and SWCA -- sounds like a lot of unnecessary frustration and redundancy for all of you discussing the original version rather than what we had tried to fix!

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It's late already today, and we can figure this out tomorrow morning, just wanted to let you know my question ahead of time. BTW, I really appreciate your calm and insightful leadership in this difficult process.

Mary

Mary M. Farrell
Heritage Program Leader and Tribal Liaison

Coronado National Forest
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(520) 388-8391
(520) 388-8305 (fax)

**Beverley A
Everson/R3/USDAFS**

01/12/2010 02:39 PM

To dsebesta/R3/USDAFS@FSNOTES, dkriegel@fs.fed.us, ecuriel@fs.fed.us,
gmckay@fs.fed.us, kbrown03@fs.fed.us, kellest@fs.fed.us, ljones02@fs.fed.us, Mary M
Farrell/R3/USDAFS@FSNOTES, Melinda D Roth/R3/USDAFS@FSNOTES,

mreichard@swca.com, rlefevre@fs.fed.us, sldavis@fs.fed.us, sshafiqullah@fs.fed.us,
temmett@fs.fed.us, tfurgason@swca.com, Walter Keyes/R3/USDAFS@FSNOTES,
William B Gillespie/R3/USDAFS@FSNOTES, Arthur S Elek/R3/USDAFS@FSNOTES,
Charles A Blair/R3/USDAFS@FSNOTES

cc

Subject Jan. 13, 2010 Rosemont Extended IDT Meeting Agenda

Hi Everyone,

Enclosed is the agenda for the team meeting tomorrow. Note that this is an extended team meeting, and that it's in 6V6 rather than 4B (which is our usual meeting place for extended team meetings).

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Thank you,

Bev

[attachment "Jan. 13, 2010 IDT Meeting Agenda.docx" deleted by Mary M Farrell/R3/USDAFS]

Beverley A. Everson
Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

From: [Beverley A Everson](#)
To: [Joggerst, Jamie](#)
Subject: RE: Jamie Joggerst FYI -Fw: 9/22/09 Rosemont Copper Project Technology Transfer Meeting (Stormwater Management)
Date: 09/21/2009 05:40 PM

Hi Jamie,

Sorry I didn't respond to your request earlier today; I've been in meetings all afternoon.

Cooperating agency attendees include:

Pima County - Julia Fonseca, Evan Canfield and Mark Krieski.

ADEQ - Dennis Turner.

Bev

Beverley A. Everson
Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

Voice: 520-388-8428

Fax: 520-388-8305

▼ ["Joggerst, Jamie" <Jamie.Joggerst@tetrattech.com>](#)

"Joggerst, Jamie"
<Jamie.Joggerst@tetrattech.com>

09/21/2009 01:27 PM

To: Beverley A Everson
<beverson@fs.fed.us>
cc: "Krizek, David"
<David.Krizek@tetrattech.com>
Subject: RE: Jamie Joggerst FYI -Fw: 9/22/09
Rosemont Copper Project Technology
Transfer Meeting (Stormwater
Management)

Bev,

I just wanted to confirm that the only thing we need to bring to the meeting is our laptop with the PowerPoint slides. We assume you have a projector available in Room 6V6.

And have you had any responses back from the cooperating agencies?

Do you know who will be attending?

Jamie Joggerst | Geotechnical Engineer

Phone: 520-297-7723 | Fax: 520-297-7724 | Cell: 520-820-7775

jamie.joggerst@tetrattech.com

Tetra Tech

3031 West Ina Road | Tucson, AZ 85741 | www.tetrattech.com

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From: Reta Laford [mailto:rlaford@fs.fed.us]
Sent: Friday, September 18, 2009 6:55 PM
To: Joggerst, Jamie
Cc: gcheniae@cox.net; karnold@rosemontcopper.com;
jsturgess@augustaresource.com; Reta Laford; Beverley A Everson
Subject: Jamie Joggerst FYI -Fw: 9/22/09 Rosemont Copper Project
Technology Transfer Meeting (Stormwater Management)

Jamie Joggerst - FYI. I just found your email and wanted you to be aware of this. Note that I expect you to make the meeting run effectively. That means you should set the sideboards for your presentation, taking questions, having discussion, etc. as needed.

Reta Laford, Deputy Forest Supervisor

USDA Forest Service, Coronado National Forest
300 W Congress Street, Tucson, AZ 85701

Phone: 520-388-8307 (office), 505-452-7557 (cell)

Fax: 520-388-8305

Email: rlaford@fs.fed.us

----- Forwarded by Reta Laford/R3/USDAFS on 09/18/2009 06:50 PM -----

**Reta
Laford/R3/USDAFS**

To brocious@base.sao.arizona.edu, Cindy_Alvarez@blm.gov, daniel_moore@blm.gov,
dt1@azdeq.gov, David_Jacobs@azag.gov, falco@cfa.harvard.edu, gfleming@asmi.az.gov,

09/18/2009 06:34 PM

jmarques@ci.sahuarita.az.us, jmtannler@azwater.gov, julia.fonseca@pima.gov, jwindes@azgfd.gov, karen.howe@tonation-nsn.gov, lagrignano@azwater.gov, lee.allison@azgs.az.gov, Leslie.liberti@tucsonaz.gov, LSwartzbaugh@asmi.az.gov, madan.singh@mines.az.gov, mark.harting@aztucs.ang.af.mil, Marjorie.E.Blaine@usace.army.mil, nicole.ewing-gavin@tucsonaz.gov, nicole.fyffe@pima.gov, ohenderson@ci.sahuarita.az.us, rcasavant@azstateparks.gov, stahle@ci.sahuarita.az.us

cc Beverley A Everson/R3/USDAFS@FSNOTES, Melinda D Roth/R3/USDAFS@FSNOTES, Teresa Ann Ciapusci/R3/USDAFS@FSNOTES, Jeanine Derby/R3/USDAFS@FSNOTES, Reta Laford/R3/USDAFS@FSNOTES, gcheniae@cox.net, karnold@rosemontcopper.com, jsturgess@augustaresource.com, ccoyle@swca.com, tferguson@swca.com, Salek Shafiqullah/R3/USDAFS@FSNOTES, Roger D Congdon/R3/USDAFS@FSNOTES

Subject 9/22/09 Rosemont Copper Project Technology Transfer Meeting (Stormwater Management)

At yesterday's Cooperating Agency Coordination Meeting, many of you requested a more open sharing of information and the opportunity to interact more with the involved specialists.

Acknowledging your request, I am sharing with you that on Tuesday (9/22/09) there will be a technology transfer meeting about the latest Rosemont Copper Project Reclamation Stormwater Management Technology. Although this meeting was previously set for the specific purpose of sharing technical information with our agency and contracted specialists, I am extending an invitation to those of you who specialize in this area.

David Krizek, the Senior Civil Engineer with Tetra Tech will be presenting this topic. Forest Service attendees include Salek Shafiqullah and Roger Congdon. SWCA consultant/subconsultant attendees include Dale Ortman and Toby Leeson.

The meeting will be in the Federal Building. It will start at 1:00 and is expected to last three hours.

Please contact Bev Everson (beverson@fs.fed.us, 520-388-8428) if you plan to attend.

(Bev - Please see if room 4B is available for use)

Reta Laford, Deputy Forest Supervisor

USDA Forest Service, Coronado National Forest
300 W Congress Street, Tucson, AZ 85701

Phone: 520-388-8307 (office), 505-452-7557 (cell)
Fax: 520-388-8305
Email: rlaford@fs.fed.us

Voice: 520-388-8428

Fax: 520-388-8305

[attachment "1-20-10 Heritage Section.docx" deleted by William B
Gillespie/R3/USDAFS]

From: [Melinda D Roth](#)
To: [Larry Jones](#)
Cc: [Beverley A Everson](#)
Subject: Re: May 19th Rosemont meeting
Date: 05/18/2010 08:24 AM

Our thought for May 19th is that lunch time would be a good time for informal facetime with SWCA counterpart. We will take a dedicated lunch break and hope people stay in the building rather than leave for a taco or something.

Mindee Roth
Coronado National Forest
300 W. Congress, FB42
Tucson, AZ 85701
(520) 388-8319
(520) 396-0715 (cell)
(520) 388-8305 (FAX)

▼ [Larry Jones/R3/USDAFS](#)

**Larry
Jones/R3/USDAFS**

05/18/2010 07:43 AM

To Melinda D Roth/R3/USDAFS@FSNOTES, Beverley A
Everson/R3/USDAFS@FSNOTES
cc
Subject Re: May 19th Rosemont meeting 

so what is with all these working lunches? isn't rosemont enough of a drain on people without having to make them work through lunch? i vote for a lunch break in the future. we have to clock out for lunches whether or not we take them, anyway.

Larry Jones
Wildlife, Fish, and Rare Plants
Coronado National Forest
300 W Congress
Tucson, AZ 85701

520-388-8375
ljones02@fs.fed.us

▼ [Melinda D Roth/R3/USDAFS](#)

**Melinda D
Roth/R3/USDAFS**

05/14/2010 03:26 PM

To Larry Jones/R3/USDAFS@FSNOTES, Walter
Keyes/R3/USDAFS@FSNOTES, Salek
Shafiqullah/R3/USDAFS@FSNOTES, Debby
Kriegel/R3/USDAFS@FSNOTES, Beverley A
Everson/R3/USDAFS@FSNOTES, Robert
Lefevre/R3/USDAFS@FSNOTES, Eli
Curiel/R3/USDAFS@FSNOTES, Arthur S

Elek/R3/USDAFS@FSNOTES, Sarah L
Davis/R3/USDAFS@FSNOTES, jrigg@swca.com,
mreichard@swca.com, karnold@rosemontcopper.com

cc

Subject May 19th Rosemont meeting

Draft Agenda, handout, and map to fire center...

PLEASE NOTE: starting time is 9:00! We are having a working lunch (see agenda for catered lunch option).

Also, you may want to bring the complete "Issues" document. It's attached here.

[attachment "Alternatives Meeting Agenda.docx" deleted by Larry Jones/R3/USDAFS]

[attachment "Rosemont Copper DEIS Foundational Pieces.docx" deleted by Larry

Jones/R3/USDAFS] [attachment "MAP TO TIFC.docx" deleted by Larry

Jones/R3/USDAFS] [attachment "20100409Final Issues_FS-SWCA_040810_CE.docx"

deleted by Larry Jones/R3/USDAFS]

Mindee Roth
Coronado National Forest
300 W. Congress, FB42
Tucson, AZ 85701
(520) 388-8319
(520) 396-0715 (cell)
(520) 388-8305 (FAX)

From: [Tom Furgason](#)
To: [Melinda D Roth](#); beverson@fs.fed.us
Cc: [Reta Laford](#); [Jonathan Rigg](#)
Subject: RE: mitigation for rosemont
Date: 12/15/2009 05:13 PM

Bev and Mindee,

Did the ID Team review my mitigation section as submitted on Oct 16? As far as I can tell Alan is the only team member that provided comments and the remaining team just added some things to the table. While we can use the table in our discussions with Rosemont, the list is essentially the product that we worked on months ago and lacks ties to the FS Manual or any regulations. Can I expect any additional comments on my submittal?

Tom

From: Melinda D Roth [mailto:mroth@fs.fed.us]
Sent: Friday, December 11, 2009 4:55 PM
To: Jonathan Rigg; Tom Furgason
Subject: Fw: mitigation for rosemont

Sorry to keep dribbling in bits and pieces...See attachment for Heritage input...

Mindee Roth
Coronado National Forest
300 W. Congress, FB42
Tucson, AZ 85701
(520) 388-8319
(520) 396-0715 (cell)
(520) 388-8305 (FAX)

----- Forwarded by Melinda D Roth/R3/USDAFS on 12/11/2009 04:53 PM -----

Mary M Farrell/R3/USDAFS

12/11/2009 02:54 PM

To Tami Emmett/R3/USDAFS@FSNOTES, Melinda D Roth/R3/USDAFS@FSNOTES

cc Beverley A Everson/R3/USDAFS@FSNOTES, William B Gillespie/R3/USDAFS@FSNOTES, Debby Kriegel/R3/USDAFS@FSNOTES

Subject mitigation for rosemont [Link](#)

Tami, thanks for sending out the list as it was last week. Bill Gillespie and I have added some mitigation measures for heritage issues in this version:

These are pretty preliminary but I send them so they don't get inadvertently left out.

Mary M. Farrell
Heritage Program Leader and Tribal Liaison
Coronado National Forest
300 W. Congress
Tucson, AZ 85701
(520) 388-8391
(520) 388-8305 (fax)

Tami Emmett/R3/USDAFS

12/03/2009 10:55 AM

To Melinda D Roth/R3/USDAFS@FSNOTES, Beverley A
Everson/R3/USDAFS@FSNOTES

cc abelauskas@fs.fed.us, aelek@fs.fed.us, awcampbell@fs.fed.us,
cablair@fs.fed.us, ccleblanc@fs.fed.us, dkriegel@fs.fed.us,
dsebesta@fs.fed.us, ecuriel@fs.fed.us, gmckay@fs.fed.us,
hschewel@fs.fed.us, ljones02@fs.fed.us, mfarrell@fs.fed.us,
rlefevre@fs.fed.us, seanlockwood@fs.fed.us, sldavis@fs.fed.us,
sshafiqullah@fs.fed.us, wgillespie@fs.fed.us, Walter
Keyes/R3/USDAFS@FSNOTES, Jeremy J
Sautter/R3/USDAFS@FSNOTES, Kendall
Brown/R3/USDAFS@FSNOTES, Tami
Emmett/R3/USDAFS@FSNOTES, Reta
Laford/R3/USDAFS@FSNOTES

Subject Re: Rosemont project schedule revised/Draft mitigation
question [Link](#)

Mindee - thanks for sharing this. This is the first time I've seen this document. I'm forwarding to a couple of people who weren't on your list.

When do you plan to forward the draft mitigation measures to SWCA? I'm wondering if some of the team members who were not in attendance yesterday (i.e., extended and some core team members) would like to review their statements before forwarding this important document to SWCA. I'm rewriting some of the bullet statements under Lands. Will this be posted on the public internet site like some of our other draft documents? If so, some of our statements may need to be "tightened up." Tami

I'm also forwarding the document that Debby volunteered to put together for the Team.
(first draft)

Tami Emmett
Realty Specialist
Coronado National Forest, Region 3
Tucson, Arizona
520-388-8424 (office)
520-388-8305 (fax)

**Melinda D
Roth/R3/USDAFS**

12/02/2009 03:19
PM

To dkriegel@fs.fed.us, dsebesta@fs.fed.us, sldavis@fs.fed.us, sshafiqullah@fs.fed.us, wkeyes@fs.fed.us,
hschewel@fs.fed.us, temmett@fs.fed.us, gmckay@fs.fed.us, rlefevre@fs.fed.us, aelek@fs.fed.us,
abelauskas@fs.fed.us, ecuriel@fs.fed.us, mfarrell@fs.fed.us, wgillespie@fs.fed.us, ccleblanc@fs.fed.us,
seanlockwood@fs.fed.us, ljones02@fs.fed.us, awcampbell@fs.fed.us, cablair@fs.fed.us
cc tfurgason@swca.com, mreichard@swca.com

Subject Rosemont project schedule revised

At today's IDT mtg., several people said they didn't see this msg. so I'm sending it again. Scroll to 2nd page for timeline.

Mindee Roth

Coronado National Forest

300 W. Congress, FB42

Tucson, AZ 85701

(520) 388-8319

(520) 396-0715 (cell)

(520) 388-8305 (FAX) [attachment "RosemontMOU_Mod04.pdf" deleted by Mary M Farrell/R3/USDAFS] [attachment "Rosemont_Mitigation_120109.docx" deleted by Mary M Farrell/R3/USDAFS]

From: [Mary M Farrell](#)
To: [Beverley A Everson](#)
Cc: [William B Gillespie](#)
Subject: Re: previous SWCA SOW work requested at IDT mtg. yesterday
Date: 06/24/2010 10:53 AM

Bev -- I think Bill already may have mentioned this to you, but he was in for only a very short time yesterday, so just in case: we have completed adding in heritage stuff to the SOW filed in office/fstmp. Note, it is NOT to the level of detail that's provided in this previous SOW, so if you need it formatted and delineated more like this, let us know.

Mary M. Farrell
Heritage Program Leader and Tribal Liaison
Coronado National Forest
300 W. Congress
Tucson, AZ 85701
(520) 388-8391
(520) 388-8305 (fax)
▼ [Beverley A Everson/R3/USDAFS](#)

**Beverley A
Everson/R3/USDAFS**

06/24/2010 10:29 AM

To Debby Kriegel/R3/USDAFS@FSNOTES, Salek Shafiqullah/R3/USDAFS@FSNOTES, Larry Jones/R3/USDAFS@FSNOTES, Walter Keyes/R3/USDAFS@FSNOTES, Sarah L Davis/R3/USDAFS@FSNOTES, William B Gillespie/R3/USDAFS@FSNOTES, Mary M Farrell/R3/USDAFS@FSNOTES

cc

Subject previous SWCA SOW work requested at IDT mtg. yesterday

Enclosed.

Beverley A. Everson
Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

Voice: 520-388-8428
Fax: 520-388-8305

----- Forwarded by Beverley A Everson/R3/USDAFS on 06/24/2010 10:24 AM -----

"Tom Furgason"
<tfurgason@swca.com>

To "Beverley A Everson" <beverson@fs.fed.us>

cc "Melinda D Roth" <mroth@fs.fed.us>

06/24/2010 10:05 AM

Subject

Bev,

Attached is the 2010 SOW that takes us through May. Please be advised that there have been several change orders since and that the timeline (obviously) has changed.

Tom Furgason

Office Director

[SWCA Environmental Consultants](#)

343 West Franklin Street

Tucson, AZ 85701

(520) 325-9194 ext. 110

(520) 820-5178 mobile

(520) 325-2033 fax

[attachment "2010 SOW-Costs Redacted.pdf" deleted by Mary M Farrell/R3/USDAFS]

From: [Melissa Reichard](#)
To: [Beverley A Everson](#); [Charles Coyle](#); [Tom Furgason](#)
Subject: RE: Report Availability
Date: 03/03/2009 01:03 PM

Is anyone else having issues with the attachment? All I get is: [attachment "Report Availability and Schedule.pdf" deleted by Beverley A Everson/R3/USDAFS]

Melissa

"Science is organized knowledge. Wisdom is organized life." -Immanuel Kant

From: Beverley A Everson [mailto:beverson@fs.fed.us]
Sent: Tuesday, March 03, 2009 12:31 PM
To: Charles Coyle; Melissa Reichard; Tom Furgason
Subject: Fw: Report Availability

Per your request this morning. Bev

Beverley A. Everson
Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

Voice: 520-388-8428
Fax: 520-388-8305

----- Forwarded by Beverley A Everson/R3/USDAFS on 03/03/2009 12:30 PM -----

Kathy Arnold <karnold@rosemontcopper.com>

To Beverley A Everson <beverson@fs.fed.us>

cc Jamie Sturgess <jsturgess@augustaresource.com>

02/02/2009 06:28 PM

Subject Report Availability

Bev –

As we discussed, here is a draft of the timelines associated with the reports that are planned for delivery to the Forest Service. We would like to discuss these at our meeting Thursday if you believe it would be appropriate.

Thank you –
Kathy

Katherine Arnold, PE | Director of Environmental and Regulatory Affairs

Cell: 520.784.1972 | Main: 520.297.7723 | Fax 520.297.7724

karnold@rosemontcopper.com



Rosemont Copper Company

P.O. Box 35130 | Tucson, AZ 85740-5130

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[attachment "Report Availability and Schedule.pdf" deleted by Beverley A Everson/R3/USDAFS]

From: [Larsen, Eric](#)
To: [Mary M Farrell](#); [Shane Lyman](#); [Melinda D Roth](#); [Beverley A Everson](#); [Daniel Montez](#)
Cc: [Krizek, David](#); [Rice, Jeffrey](#); [Jonathan Rigg](#); jsturgess@augustaresource.com; [Kathy Arnold](#); [Melissa Reichard](#); [Suzanne Griset](#); [Tom Furgason](#); wgillespie@fs.fed.us; [Jerome Hesse](#)
Subject: RE: Request to Perform Proposed Rosemont Soil Survey
Date: 08/12/2010 03:26 PM
Attachments: [Request to Perform Proposed Rosemont Soil Survey \(with map\) 11Aug10.pdf](#)
[Request to Perform Proposed Rosemont Soil Survey \(with map\) 11Aug10.pdf](#)

Mary,

Please see the attached request letter that now contains Attachment 1 (map showing the aerial extent of the proposed Rosemont soil survey).

Sincerely,

Eric

Eric Larsen | Senior Geologist
Phone: 520-297-7723 | Fax: 520-297-7724 | Cell: 520-289-0282
Tetra Tech
3031 West Ina Road | Tucson, AZ 85741 | www.tetrattech.com

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From: Mary M Farrell [<mailto:mf Farrell@fs.fed.us>]
Sent: Thursday, August 12, 2010 8:27 AM
To: Larsen, Eric; Shane Lyman; Melinda D Roth; Beverley A Everson; Daniel Montez
Cc: Krizek, David; Rice, Jeffrey; Jonathan Rigg; jsturgess@augustaresource.com; Kathy Arnold; Melissa Reichard; Suzanne Griset; Tom Furgason; wgillespie@fs.fed.us
Subject: Re: Request to Perform Proposed Rosemont Soil Survey

Eric,

Thanks for sending this info. I'll write up a cultural resources clearance for the soil survey and it can probably be signed by the Acting Deputy Forest Supervisor today. Perhaps you've already contacted the Acting Nogales District Ranger and the FS project leads, but I'll copy them on this, just in case. (Dan, Shane-- this project will be in compliance with Nat'l Historic Preservation Act once the clearance is signed. What else would Tetra Tech need to start work?)

Mary

Mary M. Farrell
Heritage Program Leader and Tribal Liaison
Coronado National Forest
300 W. Congress
Tucson, AZ 85701
(520) 388-8391
(520) 388-8305 (fax)

"Larsen, Eric" <Eric.Larsen@tetrattech.com>

To "mf Farrell@fs.fed.us" <mf Farrell@fs.fed.us>

08/11/2010 03:58 PM

cc: "wgillespie@fs.fed.us" <wgillespie@fs.fed.us>, "jsturgess@augustaresource.com" <jsturgess@augustaresource.com>, Kathy Arnold <karnold@rosemontcopper.com>, Tom Furgason <tfurgason@swca.com>, Melissa Reichard <mreichard@swca.com>, Suzanne Griset <sgriset@swca.com>, Jonathan Rigg <jrigg@swca.com>, "Rice, Jeffrey" <Jeffrey.Rice@tetrattech.com>, "Krizek, David" <David.Krizek@tetrattech.com>

Subject: Request to Perform Proposed Rosemont Soil Survey

Mary,

Please find the attached request letter to perform the proposed soil survey at the Rosemont site next week. The map that shows the extended survey areas (Attachment 1 in the request letter) should be completed by tomorrow. I will forward you a copy when received.

Sincerely,

Eric Larsen

Eric Larsen | Senior Geologist

Phone: 520-297-7723 | Fax: 520-297-7724 | Cell: 520-289-0282

Tetra Tech

3031 West Ina Road | Tucson, AZ 85741 | www.tetrattech.com

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From: [Larsen, Eric](#)
To: [Mary M Farrell](#); [Shane Lyman](#); [Melinda D Roth](#); [Beverley A Everson](#); [Daniel Montez](#)
Cc: [Krizek, David](#); [Rice, Jeffrey](#); [Jonathan Rigg](#); jsturgess@augustaresource.com; [Kathy Arnold](#); [Melissa Reichard](#); [Suzanne Griset](#); [Tom Furgason](#); wgillespie@fs.fed.us; [Jerome Hesse](#)
Subject: RE: Request to Perform Proposed Rosemont Soil Survey
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Eric

Eric Larsen | Senior Geologist
Phone: 520-297-7723 | Fax: 520-297-7724 | Cell: 520-289-0282
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From: Mary M Farrell [<mailto:mfarrell@fs.fed.us>]
Sent: Thursday, August 12, 2010 8:27 AM
To: Larsen, Eric; Shane Lyman; Melinda D Roth; Beverley A Everson; Daniel Montez
Cc: Krizek, David; Rice, Jeffrey; Jonathan Rigg; jsturgess@augustaresource.com; Kathy Arnold; Melissa Reichard; Suzanne Griset; Tom Furgason; wgillespie@fs.fed.us
Subject: Re: Request to Perform Proposed Rosemont Soil Survey

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Mary

Mary M. Farrell
Heritage Program Leader and Tribal Liaison
Coronado National Forest
300 W. Congress
Tucson, AZ 85701
(520) 388-8391
(520) 388-8305 (fax)

"Larsen, Eric" <Eric.Larsen@tetrattech.com>

To "mfarrell@fs.fed.us" <mfarrell@fs.fed.us>

08/11/2010 03:58 PM

cc: "wgillespie@fs.fed.us" <wgillespie@fs.fed.us>, "jsturgess@augustaresource.com" <jsturgess@augustaresource.com>, Kathy Arnold <karnold@rosemontcopper.com>, Tom Furgason <tfurgason@swca.com>, Melissa Reichard <mreichard@swca.com>, Suzanne Griset <sgriset@swca.com>, Jonathan Rigg <jrigg@swca.com>, "Rice, Jeffrey" <Jeffrey.Rice@tetrattech.com>, "Krizek, David" <David.Krizek@tetrattech.com>

Subject: Request to Perform Proposed Rosemont Soil Survey

Mary,

Please find the attached request letter to perform the proposed soil survey at the Rosemont site next week. The map that shows the extended survey areas (Attachment 1 in the request letter) should be completed by tomorrow. I will forward you a copy when received.

Sincerely,

Eric Larsen

Eric Larsen | Senior Geologist

Phone: 520-297-7723 | Fax: 520-297-7724 | Cell: 520-289-0282

Tetra Tech

3031 West Ina Road | Tucson, AZ 85741 | www.tetrattech.com

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From: [Debby Kriegel](#)
To: [Reta Laford](#); [Beverley A Everson](#)
Cc: [Celeste A Gordon](#); [Debby Kriegel](#)
Subject: Re: Revised rec mitigation tables (Rosemont Copper Project)
Date: 07/06/2010 02:51 PM

My comments:

1. Virtually all of the mitigation measures are Rosemont's responsibility, so adding words like "Rosemont will..." should be consistent throughout this list. Either all mitigation measures should state "Rosemont will..." or none of them should (the latter is my preference). Why does Rosemont want to add these words to #196? I'm also concerned that they specifically want to say they'll provide funding...does this mean they'll just give us money and the FS has to do the work? I don't think this is acceptable.
2. #201 probably needs to be clarified to state that the road would be closed to public motorized vehicles, open to the public for non-motorized use. I should have noticed this earlier.
3. Can the locations for #201A be determined later, after the alternatives have been nailed down better? Or do we need to work this out now?

▼ [Reta Laford/R3/USDAFS](#)

**Reta
Laford/R3/USDAFS**

07/05/2010 08:00 PM

To: Celeste A Gordon/R3/USDAFS@FSNOTES, Debby Kriegel/R3/USDAFS@FSNOTES
cc
Subject: Revised rec mitigation tables (Rosemont Copper Project)

Debby / Celeste - FYI. The revised recreation tables from the meeting I had Friday with Bev, SWCA, and Rosemont.

Reta Laford
Deputy Forest Supervisor
Coronado National Forest
Phone: 520-388-8307

----- Forwarded by Reta Laford/R3/USDAFS on 07/05/2010 07:57 PM -----

"Tom Furgason"
<tfurgason@swca.com>

07/02/2010 01:54 PM

To: "Reta Laford" <rlaford@fs.fed.us>
cc
Subject: FW: mitigation tables

Reta,

Attached are all of the tables that we discussed today.

Tom

From: Melissa Reichard
Sent: Friday, July 02, 2010 1:51 PM
To: Tom Furgason
Subject: mitigation tables

I have not saved these in the R drive. I'm not sure where you want them

Melissa Reichard
Project Administrator
SWCA Environmental Consultants
(520)325-9194 ofc. (520)250-6204 cell

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[attachment "Mitigation Table for July 2 finalization meeting_07022010.docx" deleted by Reta Laford/R3/USDAFS] [attachment "Recreation_Mitigation_Measures_070210.docx" deleted by Beverley A Everson/R3/USDAFS] [attachment "Mitigation Lands Table w Costs.doc" deleted by Reta Laford/R3/USDAFS]

From: [Salek Shafiqullah](#)
To: [Reta Laford](#); [Terry Chute](#)
Cc: [Beverley A Everson](#)
Subject: RE: Rosemont - Golder Review of Site Water Management Plan
Date: 08/05/2010 04:42 PM
Attachments: [09381962_TM_Rosemont_05AUG10.pdf](#)

The attachment at the bottom is a third party consultant review of the water drainage controls proposed by Rosemont for the phased tailings alternative. It arrived today and it appears to have some significant issues. We can discuss at your leisure. Thanks.

Salek Shafiqullah, Hydrologist
Coronado National Forest
520-388-8377

----- Forwarded by Salek Shafiqullah/R3/USDAFS on 08/05/2010 04:30 PM -----

Salek Shafiqullah/R3/USDAFS
08/05/2010 04:30 PM

To "Annandale, George" <George_Annandale@golder.com>, Dale Ortman PE <daleortmanpe@live.com>
cc 'Beverley A Everson' <beverson@fs.fed.us>, "Patterson, Jennifer" <Jennifer_Patterson@golder.com>, 'Jonathan Rigg' <jrigg@swca.com>, 'Melissa Reichard' <mreichard@swca.com>, 'Roger D Congdon' <rcongdon@fs.fed.us>, 'Tom Furgason' <tfurgason@swca.com>
Subject RE: Rosemont - Golder Review of Site Water Management Plan 

George,
Thanks for the review. Looks good.

Dale,
Please forward to Rosemont at your convenience. Thanks.

Salek Shafiqullah, Hydrologist
Coronado National Forest
520-388-8377

▼ ["Annandale, George" <George_Annandale@golder.com>](mailto:George_Annandale@golder.com)

"Annandale, George" <George_Annandale@golder.com>
08/05/2010 03:53 PM

To Dale Ortman PE <daleortmanpe@live.com>, "Patterson, Jennifer" <Jennifer_Patterson@golder.com>
cc 'Beverley A Everson' <beverson@fs.fed.us>, 'Jonathan Rigg' <jrigg@swca.com>, 'Melissa Reichard' <mreichard@swca.com>, 'Roger D Congdon' <rcongdon@fs.fed.us>, 'Tom Furgason' <tfurgason@swca.com> ,

'Salek Shafiqullah'
<sshafiqullah@fs.fed.us>

Subject RE: Rosemont - Golder Review of Site
Water Management Plan

Dale,

Please find attached the revised memorandum. You may want to read through it again.

Sincerely,

Dr. George W. Annandale, P.E., F.ASCE. | Principal | **Golder Associates
Inc.**

44 Union Blvd, Suite 300, Lakewood, Colorado, USA 80228

T: +1 (303) 980-0540 | **D:** +1-720-920-4612 | **F:** +1 (303) 985-2080 | **C:** +1 (720)
244-3865 | **E:** george_annandale@golder.com | www.golder.com

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Please consider the environment before printing this email.

From: Dale Ortman PE [mailto:daleortmanpe@live.com]

Sent: Monday, August 02, 2010 9:53 AM

To: Patterson, Jennifer; Annandale, George

Cc: 'Beverley A Everson'; 'Jonathan Rigg'; 'Melissa Reichard'; 'Roger D Congdon';
'Tom Furgason'; 'Salek Shafiqullah'

Subject: RE: Rosemont - Golder Review of Site Water Management Plan

Jennifer & George,

The email below provides the CNF comment on the draft technical memorandum for the site water management plan. Please review the comments and prepare a final revision of the technical memorandum. If you have any questions regarding completion of the memo or the provided comments please contact me.

Regards,

Dale

From: Salek Shafiqullah [mailto:sshafiqullah@fs.fed.us]
Sent: Wednesday, July 28, 2010 3:28 PM
To: Dale Ortman PE
Cc: 'Beverley A Everson'; 'Jonathan Rigg'; 'Melissa Reichard'; 'Roger D Congdon'; 'Tom Furgason'
Subject: Re: Rosemont - Golder Review of Site Water Management Plan

Hello Dale,

I have reviewed the draft technical memorandum and find it acceptable pending discussion of the following comments. Lets discuss.

Comments:

Section 2.0: Figure 1 should be revised to show an accurate representation of the text referencing figure 1. Figure 1 data represents winter storms while it is supposed to show an example of monsoon precipitation which is a summer phenomena. Note that maximum saturation events in the southwest deserts happen in both the summer and winter. Jan 1993, Jan 2010 (Carlotta near Superior), etc.

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Salek Shafiqullah, Hydrologist
Coronado National Forest
520-388-8377

"Dale Ortman PE"
<daleortmanpe@live.com>

07/28/2010 11:05 AM

To "Salek Shafiqullah" <:sshafiqullah@fs.fed.us>, "Roger D Congdon"
<rcongdon@fs.fed.us>

cc "Beverley A Everson" <beverson@fs.fed.us>, "Tom Furgason"
<tfurgason@swca.com>, "Jonathan Rigg" <jrigg@swca.com>, "Melissa
Reichard" <mreichard@swca.com>

Subject Rosemont - Golder Review of Site Water Management Plan

All,

Attached is the draft technical review memorandum prepared by Golder for the Site Water Management Plan. The SOW includes the CNF to review the draft memo and provide comment to Golder for preparation of a final document. Given the project schedule please review the memo as soon as possible and provide comment for revision or determine that the document is acceptable as is so we can forward it along to Rosemont.

Regards,

Dale

Dale Ortman PE PLLC
Consulting Engineer

(520) 896-2404 - Arizona Office
(520) 449-7307 - Mobile
(435) 682-2777 - Utah Office

daleortmanpe@live.com

PO Box 1233
Oracle, AZ 85623

[attachment "09381962 TM Rosemont_23JUL10.pdf" deleted by Salek



Shafiqullah/R3/USDAFS] 09381962 TM Rosemont 05AUG10.pdf

From: [Salek Shafiqullah](#)
To: [Annandale, George](#); [Dale Ortman PE](#)
Cc: [Beverley A Everson](#); [Patterson, Jennifer](#); [Jonathan Rigg](#); [Melissa Reichard](#); [Roger D Congdon](#); [Tom Furgason](#)
Subject: RE: Rosemont - Golder Review of Site Water Management Plan
Date: 08/05/2010 04:30 PM
Attachments: [09381962_TM_Rosemont_05AUG10.pdf](#)

George,
Thanks for the review. Looks good.

Dale,
Please forward to Rosemont at your convenience. Thanks.

Salek Shafiqullah, Hydrologist
Coronado National Forest
520-388-8377

"Annandale, George"
<George_Annandale@golder.com>

08/05/2010 03:53 PM

To Dale Ortman PE <daleortmanpe@live.com>, "Patterson, Jennifer" <Jennifer_Patterson@golder.com>

cc 'Beverley A Everson' <beverson@fs.fed.us>, 'Jonathan Rigg' <jrigg@swca.com>, 'Melissa Reichard' <mreichard@swca.com>, 'Roger D Congdon' <rcongdon@fs.fed.us>, 'Tom Furgason' <tfurgason@swca.com>, 'Salek Shafiqullah' <sshafiqullah@fs.fed.us>

Subject RE: Rosemont - Golder Review of Site Water Management Plan

Dale,

Please find attached the revised memorandum. You may want to read through it again.

Sincerely,

Dr. George W. Annandale, P.E., F.ASCE. | Principal | **Golder Associates Inc.**
44 Union Blvd, Suite 300, Lakewood, Colorado, USA 80228
T: +1 (303) 980-0540 | **D:** +1-720-920-4612 | **F:** +1 (303) 985-2080 | **C:** +1 (720) 244-3865 | **E:** george_annandale@golder.com | www.golder.com

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Please consider the environment before printing this email.

From: Dale Ortman PE [<mailto:daleortmanpe@live.com>]
Sent: Monday, August 02, 2010 9:53 AM
To: Patterson, Jennifer; Annandale, George
Cc: 'Beverley A Everson'; 'Jonathan Rigg'; 'Melissa Reichard'; 'Roger D Congdon'; 'Tom Furgason'; 'Salek Shafiqullah'
Subject: RE: Rosemont - Golder Review of Site Water Management Plan

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Salek Shafiqullah, Hydrologist
Coronado National Forest
520-388-8377

"Dale Ortman PE"
<daleortmanpe@live.com>

07/28/2010 11:05 AM

To "Salek Shafiqullah" <sshafiqullah@fs.fed.us>, "Roger D Congdon" <rcongdon@fs.fed.us>
cc "Beverley A Everson" <beverson@fs.fed.us>, "Tom Furgason" <tfurgason@swca.com>, "Jonathan Rigg" <jrigg@swca.com>, "Melissa Reichard" <mreichard@swca.com>
Subject Rosemont - Golder Review of Site Water Management Plan

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Regards,

Dale

Dale Ortman PE PLLC
Consulting Engineer

(520) 896-2404 - Arizona Office
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(435) 682-2777 - Utah Office

daleortmanpe@live.com

PO Box 1233
Oracle, AZ 85623

[attachment "09381962 TM Rosemont_23JUL10.pdf" deleted by Salek Shafiqullah/R3/USDAFS]

From: [Salek Shafiqullah](#)
To: [Dale Ortman PE](#)
Cc: ['Beverley A Everson'](#); ['Jonathan Rigg'](#); ['Melissa Reichard'](#); ['Roger D Congdon'](#); ['Tom Furgason'](#)
Subject: Re: Rosemont - Golder Review of Site Water Management Plan
Date: 07/28/2010 03:27 PM

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Coronado National Forest
520-388-8377

"Dale Ortman PE" <daleortmanpe@live.com>

07/28/2010 11:05 AM

To "Salek Shafiqullah" <sshafiqullah@fs.fed.us>, "Roger D Congdon" <rcongdon@fs.fed.us>

cc "Beverley A Everson" <beverson@fs.fed.us>, "Tom Furgason" <tfurgason@swca.com>, "Jonathan Rigg" <jrigg@swca.com>, "Melissa Reichard" <mreichard@swca.com>

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PO Box 1233
Oracle, AZ 85623

[attachment "09381962 TM Rosemont_23JUL10.pdf" deleted by Salek Shafiqullah/R3/USDAFS]

From: [Dale Ortman PE](#)
To: ['Patterson, Jennifer'](#); ['Annandale, George'](#)
Cc: ['Beverley A Everson'](#); ['Jonathan Rigg'](#); ['Melissa Reichard'](#); ['Roger D Congdon'](#); ['Tom Furgason'](#); ['Salek Shafiqullah'](#)
Subject: RE: Rosemont - Golder Review of Site Water Management Plan
Date: 08/02/2010 08:53 AM

Jennifer & George,

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Regards,

Dale

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Sent: Wednesday, July 28, 2010 3:28 PM
To: Dale Ortman PE
Cc: 'Beverley A Everson'; 'Jonathan Rigg'; 'Melissa Reichard'; 'Roger D Congdon'; 'Tom Furgason'
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Salek Shafiqullah, Hydrologist
Coronado National Forest
520-388-8377

"Dale Ortman PE" <daleortmanpe@live.com>

07/28/2010 11:05 AM

To "Salek Shafiqullah" <sshafiqullah@fs.fed.us>, "Roger D Congdon" <rcongdon@fs.fed.us>

cc "Beverley A Everson" <beverson@fs.fed.us>, "Tom Furgason" <tfurgason@swca.com>, "Jonathan Rigg" <jrigg@swca.com>, "Melissa Reichard" <mreichard@swca.com>

Subject Rosemont - Golder Review of Site Water Management Plan

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PO Box 1233

Oracle, AZ 85623

[attachment "09381962 TM Rosemont_23JUL10.pdf" deleted by Salek Shafiqullah/R3/USDAFS]

From: [Celeste A Gordon](#)
To: [Debby Kriegel](#)
Cc: [Beverley A Everson](#); [Larry Jones](#); [Melinda D Roth](#); [Reta Laford](#); [Laura White](#)
Subject: Re: Rosemont - Mitigation for Recreation
Date: 07/02/2010 10:44 AM
Attachments: [Recreation Mitigation Measures 070210.docx](#)

Spoke with Debby this morning and she will set up a meeting w/those of us who need to discuss (Rec/Wildlife/Eng) re: some of the OHV mitigations on the chart belw. One thing to keep in mind is that before any ideas to mitigate (in any resource area) get nixed they need to get looked at, the analysis done, so the decision maker can see the overall impacts. As recreation moves towards more partnership/volunteer based recreation especially within the Tucson area we will be looking for those types of recreation mitigations to be higher on our list. Thanks.

Celeste Gordon
Coronado National Forest
Recreation/Special Uses Program Manager
300 W. Congress, Tucson AZ 85701
(520) 388-8422 Fax (520) 388-8305
email: cgordon@fs.fed.us

▼ [Debby Kriegel/R3/USDAFS](#)

**Debby
Kriegel/R3/USDAFS**

07/02/2010 08:24 AM

To Celeste A Gordon/R3/USDAFS@FSNOTES, Reta Laford/R3/USDAFS@FSNOTES, Beverley A Everson/R3/USDAFS@FSNOTES

cc Larry Jones/R3/USDAFS@FSNOTES, Debby Kriegel/R3/USDAFS@FSNOTES, Melinda D Roth/R3/USDAFS@FSNOTES

Subject Rosemont - Mitigation for Recreation 

Larry and I met to discuss these 3 mitigation measures. I made some edits, and #196 and #201 are compatible with wildlife.

#201A is still a problem. The mine will occupy the prime OHV touring roads for 20-30 years. Some OHV use can continue to use the area north of the mine (at the existing trailhead), but it will be a very small area, so many users are expected to move south of Box Canyon, creating conflicts with non-motorized users. Developing an OHV area east of Hwy 83 (Art's idea) is not compatible with wildlife. Developing a multi-user trailhead north of the project makes little sense (since OHV opportunities are so limited), south of Box Canyon would encourage OHV use and exacerbate user conflicts, and east of the Hwy won't serve AZ trail users very well. Although the idea of a multi-user trailhead is still good, I honestly do not know how to resolve this for the project. **Reta or Celeste: Suggestions?**

The green highlighted text "Inconsistent with RCC access needs" makes no sense to me. Where did this comment come from? Perimeter roads were proposed specifically for their access needs. I simply recommend that the road on the east side road be administrative use only so the non-motorized AZ Trail setting is protected.

Finally, a few weeks ago I mentioned to Bev that I had some additional mitigation measures. Per her suggestion, I have added them to this list.



Recreation_Mitigation_Measures_070210.docx

▼ Beverley A Everson/R3/USDAFS

**Beverley A
Everson/R3/USDAFS**

To Debby Kriegel/R3/USDAFS@FSNOTES, Larry
Jones/R3/USDAFS@FSNOTES

06/29/2010 02:30 PM

cc

Subject Fw: Recreation Mitigation Clarification

Can we get together tomorrow for a short time and resolve the differences you two have over the mitigation that you disagree on. The table is enclosed here, and the pertinent mitigation is in yellow. Perhaps we can meet after the economics presentation and short IDT meeting?

Beverley A. Everson
Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

Voice: 520-388-8428
Fax: 520-388-8305

----- Forwarded by Beverley A Everson/R3/USDAFS on 06/29/2010 02:28 PM -----

"Jonathan Rigg"
<jrigg@swca.com>

To "Melissa Reichard" <mreichard@swca.com>, "Beverley
A Everson" <beverson@fs.fed.us>, "Melinda D Roth"
<mroth@fs.fed.us>

06/29/2010 01:12 PM

cc

Subject RE: Recreation Mitigation Clarification

If I only had a dime for every time...

Jonathan

From: Melissa Reichard
Sent: Tuesday, June 29, 2010 1:12 PM
To: Jonathan Rigg; 'Beverley A Everson'; 'Melinda D Roth'
Cc: Tom Furgason
Subject: RE: Recreation Mitigation Clarification

You forgot the attachment ☺

From: Jonathan Rigg
Sent: Tuesday, June 29, 2010 1:09 PM
To: Beverley A Everson; Melinda D Roth
Cc: Melissa Reichard; Tom Furgason
Subject: Recreation Mitigation Clarification

Bev and Mindee,

As discussed at our status meeting, the mitigation measures regarding recreation have notes for Debby and Larry to work together and clarify. I have attached recreation section with the notes highlighted in yellow. Please see if Debby and Larry can complete this by tomorrow, or at least by Friday for the mitigation finalization RealTalk conference.

Jonathan Rigg
Environmental Planner
SWCA Environmental Consultants
343 West Franklin Street
Tucson, Arizona
Phone: (520) 325-9194
Fax: (520) 325-2033
Email: jrigg@swca.com[attachment "Mitigation Table Recreation Clarification.docx"
deleted by Debby Kriegel/R3/USDAFS]

From: [Craig P Wilcox](#)
To: [Debby Kriegel](#)
Cc: [Beverley A Everson](#); [Debby Kriegel](#); [Deborah K Sebesta](#); [Larry Jones](#); mbidwell@swca.com; [Melinda D Roth](#); [Robert Lefevre](#); [Salek Shafiqullah](#)
Subject: Re: Rosemont - Research needed for revegetation with trees and shrubs - Input needed by 5/27
Date: 05/21/2010 03:50 PM

Debby,
Your list of tasks looks very complete to me. If you have a plant species list for the project area I would be interested in seeing it.
Craig

Craig Wilcox, Forest Silviculturist
Coronado National Forest
711 S. 14th Ave., Suite D
Safford, AZ 85546
928-348-1961 work
928-965-1782 cell
cpwilcox@fs.fed.us

▼ [Debby Kriegel/R3/USDAFS](#)

**Debby
Kriegel/R3/USDAFS**

05/21/2010 12:37 PM

To Craig P Wilcox/R3/USDAFS@FSNOTES, Larry Jones/R3/USDAFS@FSNOTES, Deborah K Sebesta/R3/USDAFS@FSNOTES, Salek Shafiqullah/R3/USDAFS@FSNOTES, mbidwell@swca.com, Robert Lefevre/R3/USDAFS@FSNOTES
cc Debby Kriegel/R3/USDAFS@FSNOTES, Melinda D Roth/R3/USDAFS@FSNOTES, Beverley A Everson/R3/USDAFS@FSNOTES
Subject Rosemont - Research needed for revegetation with trees and shrubs - Input needed by 5/27

Attached is a 1-page draft scope of work for research that is needed to establish trees and shrubs on reclaimed areas. We have agreed to get the final version of this to Rosemont by next Friday (5/28) so they can hopefully proceed with getting the work going. Please review the document and provide your comments to me by noon Thursday (5/27). And feel free to forward to others (Geoff, etc.) as you see fit.

Thanks!

[attachment
"Rosemont_Research_Trees_and_Shrubs_Scope_of_Work.docx" deleted
by Craig P Wilcox/R3/USDAFS]

From: [Tom Furgason](#)
To: [Tami Emmett](#)
Cc: [Arthur S Elek](#); [Beverley A Everson](#); [Debby Kriegel](#); [Melissa Reichard](#); [Mindee Roth](#); [Reta Laford](#); [Teresa Ann Ciapusci](#); [Walter Keyes](#)
Subject: RE: Rosemont Assignments reminders
Date: 10/29/2009 04:23 PM

Tami:

There were four sections in the EIS that did not make it into the Chapter 3 that I put on WebEx on Oct 16th (EIS_CH 3_Draft Affected Environment_101509_CE.doc uploaded by Tom on 10/16/2009). When this was brought to my attention, I forwarded the sections to individuals that I understand are taking the lead (Heritage being an exception because it was sent to Mary on the 16th). Sections 3.6 Fuels, 3.10 Transportation/Access and 3.11 Recreation and Wilderness are now posted on Webex. I asked Melissa to place these on Webex (they should be there by now) in case other members of the ID Team need to reference them.

Tom

From: Tami Emmett [mailto:temmett@fs.fed.us]
Sent: Thursday, October 29, 2009 3:47 PM
To: Tom Furgason
Cc: Arthur S Elek; Beverley A Everson; Debby Kriegel; Melissa Reichard; Mindee Roth; Reta Laford; Teresa Ann Ciapusci; Walter Keyes
Subject: RE: Rosemont Assignments reminders

Tom and Bev - I need to clarify that after I sent the message to Bev at 3:04 pm yesterday, I found the new Chapter 3 outline... I then went to look at 3.10 Transportation/Access and 3.11 Recreation and Wilderness and only found outlines. Until Tom's attached documents earlier today, I could not find this information. Am I not looking in the correct file? This is the path I'm following: EIS_CH 3_Draft Affected Environment_101509_CE.doc uploaded by Tom on 10/16/2009. This is what I'm finding in WebEx. Someone PLEASE set things straight! Why can't I find Tom's documents that he sent a bit ago on WebEx? Tami

Tami Emmett
Realty Specialist
Coronado National Forest, Region 3
Tucson, Arizona
520-388-8424 (office)
520-388-8305 (fax)

"Tom Furgason" <tfurgason@swca.com>

10/29/2009 02:51 PM

To "Beverley A Everson" <beverson@fs.fed.us>
cc "Mindee Roth" <mroth@fs.fed.us>, "Tami Emmett" <temmett@fs.fed.us>, "Melissa Reichard" <mreichard@swca.com>, "Reta Laford" <rlaford@fs.fed.us>, "Teresa Ann Ciapusci" <tciapusci@fs.fed.us>, "Arthur S Elek" <aelek@fs.fed.us>, "Walter Keyes" <wkeyes@fs.fed.us>, "Debby Kriegel" <dkriegel@fs.fed.us>

Subject RE: Rosemont Assignments reminders

Bev,

I just figured out what happened. You are looking at the wrong hard-copy of the EIS. The version you are looking at is the one that I did not want to release to the Coronado back at the end of September.

This is the version of what had been completed up to mid-September. Please, destroy this copy so that it does not get distributed further. The only hard copy that you should be reviewing was turned in to Reta on October 16 at the meeting with Rosemont. The specialists should only be looking at the version that is on WebEx. Would you please inform the ID Team that the WebEx version is the correct version. This is the exact same version as submitted to Reta.

Some of the "missing" sections were omitted for various reasons. Also, the numbering has changed in some instances. Here's the rundown:

- 3.6 Socioeconomics/Environmental Justice: [We are awaiting the revised REMI Model.](#)
- 3.7 Heritage: [Submitted on Oct. 16 electronically because the section did not meet our deadline.](#)
- 3.8 Transportation/Access: [Now Section 3.10. Please replace outline with attached.](#)
- 3.9 Recreation: [Now Section 3.11. Please replace outline with attached.](#)
- 3.10 Land Use and Wilderness [Now 3.13. See page 177 of the Chapter 3 on the current version.](#)
- 3.17 Unavoidable Adverse Effects: [To be included individual sections.](#)
- 3.17.6 Socioeconomics/Enviro Justice: [See above.](#)
- 3.17.8 Transportation/Access: [See above.](#)
- 3.17.9 Recreation: [See above.](#)
- 3.17.10 Land Use and Wilderness: [See above.](#)

In summary, the only sections only remaining in outline form are Fuels and Fire (attached), Socioeconomic, Recreation and Wilderness (attached), Transportation (attached), and Hazardous Materials. Feel free to call me if you have any questions.

Tom

From: Beverley A Everson [mailto:beverson@fs.fed.us]
Sent: Thursday, October 29, 2009 1:07 PM
To: Tom Furgason; Tami Emmett
Subject: Fw: Rosemont Assignments reminders

Tom,

Tami needs copies of these sections. I didn't make that clear in my last email transmitting Tami's email.

Thanks.

Bev

Beverley A. Everson
Forest Geologist

Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

Voice: 520-388-8428
Fax: 520-388-8305

----- Forwarded by Beverley A Everson/R3/USDAFS on 10/29/2009 12:12 PM -----

Beverley A Everson/R3/USDAFS

10/29/2009 11:15 AM

To tfurgason@swca.com
cc

Subject Fw: Rosemont Assignments reminders

Beverley A. Everson
Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

Voice: 520-388-8428
Fax: 520-388-8305

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Tami Emmett/R3/USDAFS

10/28/2009 03:04 PM

To Beverley A Everson/R3/USDAFS@FSNOTES, Melinda D Roth/R3/USDAFS@FSNOTES
cc Tami Emmett/R3/USDAFS@FSNOTES, George McKay
Subject Re: Rosemont Assignments reminders [Link](#)

Bev - is this the information you're looking for?

Chapter 3
3.6 Socioeconomics/Environmental Justice
3.8 Transportation/Access
3.9 Recreation

3.10 Land Use and Wilderness
3.17 Unavoidable Adverse Effects:
3.17.6 Socioeconomics/Enviro Justice
3.17.8 Transportation/Access
3.17.9 Recreation
3.17.10 Land Use and Wilderness

Tami Emmett
Realty Specialist
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Tucson, Arizona
520-388-8424 (office)
520-388-8305 (fax)

**Beverley A
Everson/R3/USDAFS**

10/28/2009 01:58 PM

To Melinda D Roth/R3/USDAFS@FSNOTES

cc abelauskas@fs.fed.us, aelek@fs.fed.us, awcampbell@fs.fed.us, baschneider@fs.fed.us, cablair@fs.fed.us, ccleblanc@fs.fed.us, dkriegel@fs.fed.us, dsebesta@fs.fed.us, ecuriel@fs.fed.us, gmckay@fs.fed.us, hschewel@fs.fed.us, kellett@fs.fed.us, ljones02@fs.fed.us, Melinda D Roth/R3/USDAFS@FSNOTES, mfarrell@fs.fed.us, mkaplan@fs.fed.us, rlaford@fs.fed.us, rlefevre@fs.fed.us, rmraley@fs.fed.us, seanlockwood@fs.fed.us, sldavis@fs.fed.us, sshafiqullah@fs.fed.us, tciapusci@fs.fed.us, temmett@fs.fed.us, wgillespie@fs.fed.us, wkeyes@fs.fed.us

Subject Re: Rosemont Assignments reminders [Link](#)

Please help my coordination of the DEIS draft review by telling my what sections each of you is reviewing or has reviewed. I would really appreciate this information by COB today, so that I have time to fill in gaps. Thank you - Bev

Beverley A. Everson
Forest Geologist
Coronado National Forest
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Tucson, AZ. 85701

Voice: 520-388-8428
Fax: 520-388-8305

**Melinda D
Roth/R3/USDAFS**

10/28/2009 01:11
PM

To dkriegel@fs.fed.us, dsebesta@fs.fed.us, sldavis@fs.fed.us, sshafiqullah@fs.fed.us, wkeyes@fs.fed.us, hschewel@fs.fed.us, temmett@fs.fed.us, gmckay@fs.fed.us, rlefevre@fs.fed.us, aelek@fs.fed.us, abelauskas@fs.fed.us, ecuriel@fs.fed.us, mfarrell@fs.fed.us, wgillespie@fs.fed.us, ccleblanc@fs.fed.us, seanlockwood@fs.fed.us, ljones02@fs.fed.us, awcampbell@fs.fed.us, rmraley@fs.fed.us, cablair@fs.fed.us, mkaplan@fs.fed.us, baschneider@fs.fed.us
cc Melinda D Roth/R3/USDAFS@FSNOTES, rlaford@fs.fed.us, beverson@fs.fed.us, tciapusci@fs.fed.us, kellett@fs.fed.us

Subject Rosemont Assignments reminders

Reta shared with me specific expectations regarding review and comment on the DEIS. Following Reta's guidance should produce the needed information.

See that every section of Chapter 3 is assigned to a team member to review and comment on. - Bev
Review the legal framework and identify, with specificity, needed corrections and additions. -IDT members

Review and critique bounds of analysis, assuming both east side and west side activities - IDT members

Closely review the affected environment descriptions, identifying corrections and additions. - IDT members

For the effects analysis, critique the approaches presented in light of what our agency norms are. - IDT members

Thanks, in advance, for your hard work and professionalism.

Mindee Roth

Coronado National Forest

300 W. Congress, FB42

Tucson, AZ 85701

(520) 388-8319

(520) 396-0715 (cell)

(520) 388-8305 (FAX) [attachment "Rosemont transportation AE draft.doc" deleted by Tami Emmett/R3/USDAFS] [attachment "Rec and Wilderness Plan of Analysis.doc" deleted by Tami Emmett/R3/USDAFS] [attachment "DRAFT CH 3 Recreation and Wilderness 100909 (2).doc" deleted by Tami Emmett/R3/USDAFS] [attachment "3.6 Fuels and Fire Management_071309_mr.doc" deleted by Tami Emmett/R3/USDAFS]

From: [Robert Lefevre](#)
To: [Beverley A Everson](#)
Cc: [Melinda D Roth](#); [Arthur S Elek](#); [Salek Shafiqullah](#)
Subject: Re: Rosemont Catalog of Activities Form for Past, Present and Reasonably Foreseeable Actions
Date: 11/05/2009 04:13 PM
Attachments: [2009 10 13 IDT Catalog of Activities Lefevre.xlsx](#)

Good afternoon, Bev. Here is my contribution for the past, present and reasonably foreseeable actions. I had some GIS layers already in place for some other projects in the Santa Ritas and took them from that information.

Art - Chris told me you were working on this for fire, and because I already had some fires in my table he suggested I send this to you. It probably does not have as many as items as you have because I didn't use the claim boundary as he said you are, but I thought you might be interested in what I found.



2009 10 13 IDT Catalog of Activities Lefevre.xlsx

Robert E. Lefevre
Forestry and Watershed Program Manager
Coronado National Forest
USDA Forest Service
520-388-8373
▼ [Beverley A Everson/R3/USDAFS](#)

**Beverley A
Everson/R3/USDAFS**

10/27/2009 09:45 AM

To ecuriel@fs.fed.us, gmckay@fs.fed.us,
kbrown03@fs.fed.us, kelleth@fs.fed.us,
ljones02@fs.fed.us, Mary M
Farrell/R3/USDAFS@FSNOTES, Melinda D
Roth/R3/USDAFS@FSNOTES, mreichard@swca.com,
rlfevre@fs.fed.us, abelauskas@fs.fed.us,
aelek@fs.fed.us, dkriegel@fs.fed.us,
dsebesta@fslidavis@fs.fed.us, sshafiqullah@fs.fed.us,
temmett@fs.fed.us, Walter
Keyes/R3/USDAFS@FSNOTES, William B
Gillespie/R3/USDAFS@FSNOTES, Deborah K
Sebesta/R3/USDAFS@FSNOTES, Kent C
Ellett/R3/USDAFS@FSNOTES

cc

Subject Rosemont Catalog of Activities Form for Past, Present and Reasonably Foreseeable Actions

I sent this spreadsheet to you all earlier, but I have had some questions about the table, and so I'm resending it for your reference (and in case you've misplaced the previous mailing)., All of the team, core and extended, should look at the table and fill in whatever activities you are aware of. If in doubt, go ahead and put an activity in, as it can be removed later.

The two columns that say "actual/estimate" are kind of confusing...actual means that the activity has already taken place or is taking place, and estimate means that the activity is planned or expected to happen. Note that these columns, plus the activity column, have drop down menus that you can select from. Click on the right hand side of the heading box for each column to pull down the menu.

The assignment to fill out this table had a deadline of October 30 when it was given to the team last week. The deadline has changed to Nov. 6 as the emphasis this week is not on the DEIS review. At our meeting tomorrow, I'll be asking everyone for an update on where they are on the DEIS review, and will consolidate responses to make sure that we are doing a complete review as a team.

For those of you videoconferencing into the meeting from the district, I understand that you just have to turn the television on and call the in to the S.O. IP address. Buzz can give you that number if needed. See you tomorrow!

Bev

Beverley A. Everson
Forest Geologist
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Voice: 520-388-8428
Fax: 520-388-8305

Teresa Ann Ciapusci
Staff Officer
Ecosystem Management and Planning
Coronado National Forest
300 West Congress, FB42
Tucson, Arizona 85701
(520) 388-8350 office
(520) 237-0879 cellular
(520) 388-8305 fax [attachment "2009 10 13 IDT Catalog of Activities.xlsx"
deleted by Robert Lefevre/R3/USDAFS]

From: [Melinda D Roth](#)
To: [Debby Kriegel](#)
Cc: [Beverley A Everson](#); [Debby Kriegel](#); mbidwell@swca.com; tfurgason@swca.com; tjchute@msn.com
Subject: Re: Rosemont Chapter 2 comments (and EIS organization)
Date: 08/24/2010 01:01 PM

I haven't looked at your detailed comments yet. I do notice you reviewed a much earlier version of Chapter 2. I suspect many of your concerns/findings have been corrected. Terry and SWCA are nearing completion of a draft Chapter 2 ready for internal and external review soon.

Mindee Roth
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Tucson, AZ 85701
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(520) 396-0715 (cell)
(520) 388-8305 (FAX)

▼ [Debby Kriegel/R3/USDAFS](#)

**Debby
Kriegel/R3/USDAFS**

08/24/2010 12:40 PM

To tjchute@msn.com, Melinda D Roth/R3/USDAFS@FSNOTES, tfurgason@swca.com
cc Beverley A Everson/R3/USDAFS@FSNOTES, mbidwell@swca.com, Debby Kriegel/R3/USDAFS@FSNOTES
Subject Rosemont Chapter 2 comments (and EIS organization)

A week or two ago, I had a phone conversation with Marcie Bidwell. Normally in a NEPA document/process, there is a proposal, and then alternatives to the proposal (no action and other actions). Marcie and I had different understandings of whether Rosemont's EIS would be organized this way.

After scanning chapter 2, I'm still confused. I also immediately noticed some typos, inconsistencies, and more:

- The first heading reads "Alternatives, Including the Proposed Action". Is the proposed action really an alternative? If so, what is everything an alternative to?
- On page 2, there is a list of "Alternatives Considered in Detail", which lists No Action, Barrel-Mcleary (misspelled), Upper Barrel Only (I thought we dropped the word "Upper" a long time ago), and Scholefield-McCleary (I thought we dropped the word McCleary, now that waste rock will not be placed in McCleary creek).
- I have many comments on the Visual Quality, Recreation, and Reclamation sections (see attached).

[attachment "Chapter_2_Comments_Kriegel_082410.docx" deleted by

Melinda D Roth/R3/USDAFS]

----- Forwarded by Debby Kriegel/R3/USDAFS on 08/24/2010 12:02 PM -----

**Beverley A
Everson/R3/USDAFS**

To Debby Kriegel/R3/USDAFS@FSNOTES

cc

08/24/2010 10:50 AM

Subject Chapter 2, June 21, 2010 version.docx

As promised.

Beverley A. Everson
Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

Voice: 520-388-8428

Fax: 520-388-8305

From: [Salek Shafiqullah](mailto:Salek.Shafiqullah)
To: jrigg@swca.com
Cc: [Beverley A Everson](mailto:Beverley.A.Everson); [Robert Lefevre](mailto:Robert.Lefevre); [Debby Kriegel](mailto:Debby.Kriegel); [Erica Gaddis](mailto:Erica.Gaddis); [Sue Wilmot](mailto:Sue.Wilmot)
Subject: Re: Rosemont Chapter 3-Soil Section
Date: 07/14/2010 03:53 PM

Hello Johnathan,

Cursory comments: Bobs tables are qualitative in nature and useful. However, there exists some quantitative data in the form of Dr. Fehmi's and Hollys work. Some of this work is final and some is draft and some is ongoing. This information should also be included regarding existing condition affected environment and reclamation cover effectiveness predictions.

Salek Shafiqullah, Hydrologist
Coronado National Forest
520-388-8377

Robert Lefevre/R3/USDAFS

07/14/2010 01:39 PM

To jrigg@swca.com

cc "Sue Wilmot" <swilmot@swca.com>, "Erica Gaddis" <egaddis@swca.com>, "Beverley A Everson" <beverson@fs.fed.us>, Salek Shafiqullah/R3/USDAFS@FSNOTES, Debby Kriegel/R3/USDAFS@FSNOTES

Subject Rosemont Chapter 3-Soil Section

Jonathan, Bev asked me who was reviewing the soil section. Its me for now. The PIL I have (July 25, 2008) indicates Salek is the Forest Service contact for soil but he's pretty busy with water. You will see a lot of tables added to the effects section. Whether or not these are appropriate, I don't know.

But I believe we should have some description of what we can expect in the way of plant cover as a result of reclamation efforts.[attachment "Ch 3_3-4 Soils and Reclamation_021610_CE_Lefevre_comments.doc" deleted by Salek Shafiqullah/R3/USDAFS]

Also, I have referenced the General Ecosystem Survey, completed by the Forest Service in 1991. If it isn't already in the record, here it is.[attachment "ges_report.rtf" deleted by Salek Shafiqullah/R3/USDAFS]

Robert E. Lefevre
Forestry and Watershed Program Manager
Coronado National Forest
USDA Forest Service
520-388-8373

From: [Beverley A Everson](#)
To: [Debby Kriegel](#)
Subject: Re: Rosemont Simulations - Drainage Drawings
Date: 06/15/2010 03:59 PM

Did this get resolved?

Beverley A. Everson
Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

Voice: 520-388-8428
Fax: 520-388-8305

▼ [Debby Kriegel/R3/USDAFS](#)

**Debby
Kriegel/R3/USDAFS**

06/01/2010 07:31 AM

To "Marcie Bidwell" <mbidwell@swca.com>, Melinda D Roth/R3/USDAFS@FSNOTES, Beverley A Everson/R3/USDAFS@FSNOTES, Reta Laford/R3/USDAFS@FSNOTES
cc Debby Kriegel/R3/USDAFS@FSNOTES
Subject Rosemont Simulations - Drainage Drawings 

Bev, Mindee, Reta: Note Marcie's statement below (I turned her text red). If she doesn't have the data from Rosemont by June 15, she won't be able to produce simulations for the DEIS. I believe that this is a major problem.

Marcie: Please verify with Rosemont and Tetra Tech the correct number of benches to show in the simulation. I'm confused by items 1 (no benches on tailings) and 2 (6 benches). Which is correct for the MPO?

▼ ["Marcie Bidwell" <\[mbidwell@swca.com\]\(mailto:mbidwell@swca.com\)>](#)

**"Marcie Bidwell"
<mbidwell@swca.com>**

05/28/2010 09:16 AM

To "David Krizek" <david.krizek@tetrattech.com>, "Kathy Arnold" <karnold@rosemontcopper.com>
cc "Debby Kriegel" <dkriegel@fs.fed.us>, "Keepers, Ashley" <Ashley.Keepers@tetrattech.com>, "Carrasco, Joel" <Joel.Carrasco@tetrattech.com>, "Trent Reeder" <treeder@swca.com>, "Melissa Reichard" <mreichard@swca.com>, "Jonathan Rigg" <jrigg@swca.com>, "Lara Mitchell" <lmitchell@swca.com>
Subject RE: Drainage drawing

David,

Good to see you on Monday. You looked refreshed.

Per Kathy's email regarding stormwater, here is an example of what we are looking for as an indication of stormwater elements- we just need to just know a general indication of where to show drop structures, detention ponds, etc. This could be hand drawn, or as Trent prepared similar to this diagram. This is to illustrate what we are requesting.

In the meeting May 19, the MPO was discussed, and it was decided that while several concepts for reclamation were included in the MPO that have different physical forms (such as ridge and valley, etc) that the EIS simulations will use the basic topography that Rosemont has provided the FS and SWCA. Additionally, SWCA will apply vegetation and colors to the surface, but we will not be adjusting the contours. The idea is that the "MPO is the MPO" to the level designed, not to show possible modifications to it.

REQUEST:

1. ***Please indicate by June 3 if Trent's drawing for placement of drop structures and stormwater ponds will suffice.*** At that date, we will complete the drafts of the MPO as Trent has shown. Or you may supply a similar drawing by June 3rd to replace it.

2. Please supply a similar level of drawing for the Scholefield and Barrel Only alternatives with the contours, when they are ready.

3. **Any data that has been requested and not received by June 15th will not be shown in the DEIS simulations by SWCA,** unless special arrangements have been made prior to this date.

A few important points regarding the MPO, drainage, and contours~

1. MPO Contours data set and reclamation- SWCA has been directed to use the set of contours for our alternatives that are shown in the JPG that is attached (August

2009 and Feb 2010 data downloads). However we do also have the 2007 contours shown in Figure 23 Reclamation Plan as well. There are differences between these data sets, although their footprints are mostly the same. Notice also that Figure 23 does not show benches or access roads. JPG shows three benches on the waste rock pile and no specific benches on the tailing pile; the tails are generally evenly stepped throughout.

Important note: we are proceeding with the data set shown in JPG, as recently directed, unless we hear otherwise by June 3.

2. MPO vs. Reclamation data set. Thus far, SWCA has been using the MPO footprint as shown in the maps used at Monday's meeting.

I know that you are very familiar with the MPO and its Reclamation Plan and you will notice that the contours that we have received for the MPO do not look quite like MPO Rec Figure 23 (compared with the contours shown in MPO SW mdb.jpg). The MPO JPG shows 3-4 benches in some places, but according to your Preliminary Stormwater Concept, there should be 1 bench per 100 feet of elevation on the waste rock, or 4-6 benches depending on where one starts counting.

Important note: we are proceeding with the MPO shown benches on the waste rock and assigning a bench to every 100ft of drop on the tails, which results in 6 benches (approximately), as directed May 19th unless we hear otherwise by June 3.

Thank you for your time and cooperation in advance,
Marcie

From: Marcie Bidwell
Sent: Wednesday, May 19, 2010 4:08 PM
To: 'Kathy Arnold'; David Krizek
Cc: Debby Kriegel; Keepers, Ashley; 'Carrasco, Joel'; Trent Reeder
Subject: RE: Drainage drawing

Hello David,

This request forwarded by Kathy is the conceptual drawing that you and I have been discussing for a few months now.

The request is to supplement the *Preliminary Stormwater Control and Reclamation Summary* with a conceptual sketch of where the elements described in the text would be placed on each alternative map. This is consistent with the data requests filed by the Forest Service this year.

Specifically, it would be for the following alternatives (i.e. Phased Tailings is considered complete):

- MPO-
- Upper Barrel- (once the final design is confirmed)
- Scholefield- (once final design is confirmed)

Additionally, SWCA would like to request that the Phased Tailings Contour data and associated layers be uploaded to the FTP site, as well.

I would be glad to discuss this on the phone with you, Ashley or Joel. And I want to extend a thank you for the recent call inquiry.

Thank you!
Marcie

From: Kathy Arnold [mailto:karnold@rosemontcopper.com]
Sent: Wednesday, May 19, 2010 2:46 PM
To: David Krizek
Cc: Marcie Bidwell; Debby Kriegel
Subject: Drainage drawing

David -

I need you to put pen to paper on a drawing (2-d is fine) to show Marcie what your write-up will (could?) look like in the real world. Hand drawn arrows will be fine.

Cheers!

Kathy

Katherine Ann Arnold, P.E. | Director of Environmental and Regulatory Affairs
Cell: 520.784.1972 | Main: 520.297.7723 | Fax 520.297.7724
karnold@rosemontcopper.com



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[attachment "MPO_SW mdb.jpg" deleted by Debby Kriegel/R3/USDAFS] [attachment "MPO Rec Figure 23.pdf" deleted by Debby Kriegel/R3/USDAFS]

From: [Debby Kriegel](#)
To: [Tom Furgason](#)
Cc: [Beverley A Everson](#)
Subject: RE: Rosemont Stuff - Costs for Simulations
Date: 10/01/2009 07:29 AM

Our new R3 Director of Recreation asked for cost estimates for the simulations (just the ones for proposed action for now). Our regional office folks need to understand the proposed project, and then provide advice and support for the Coronado's requirements for visual quality analysis work. Knowing what things cost is a part of this.

Is there a reason we can't see the costs?

▼ ["Tom Furgason" <tfurgason@swca.com>](#)

"Tom Furgason"
<tfurgason@swca.com>

09/30/2009 04:33 PM

To "Debby Kriegel" <dkriegel@fs.fed.us>
cc "Beverley A Everson" <beverson@fs.fed.us>, <sshafiqullah@fs.fed.us>, "Marcie Bidwell" <mbidwell@swca.com>, "Lara Mitchell" <lmitchell@swca.com>, "Melissa Reichard" <mreichard@swca.com>
Subject RE: Rosemont Stuff

Thanks for the input Debby. I have copied Salek and our GIS person on this email so they may consider your input on the presentation.

It may be useful to include KOPs on a map to the extent that they provided the team some insight on developing alternatives with respect to the Visual Resource Issue.

With respect to cost, typically all costs are kept between the Consultant and the Proponent. Is there a specific concern that we can address in another manner? I strongly advocate all three parties (CNF, SWCA, and RCC) agreeing with the Scope of Work and assumptions before we begin any further work.

I have attached the revised Issue Statements and Units of Measure for your confirmation.

Tom

From: Debby Kriegel [mailto:dkriegel@fs.fed.us]
Sent: Wednesday, September 30, 2009 1:44 PM
To: Tom Furgason
Cc: Beverley A Everson; Debby Kriegel
Subject: Rosemont Stuff

Tom,

Assorted items and questions...

1. For the alternatives map that is created for presentations on Friday and next Thursday, I recommend including the following resource layers for scenery and recreation:
 - The latest Concern Level map (Marcie and Trent and Steve have these shapefiles)
 - The Arizona Trail

KOPs are optional.

2. I still need the costs for the simulations for the proposed action. Marcie told me that she sent you this information. Can you provide this sometime soon?
3. Did you get the revised issue statements and units of measure from Marcie? (from a week or 2 ago)

Thanks.

Debby [attachment "Issues and Units to Measure_mdb_2009-09-15-visual.doc" deleted by Debby Kriegel/R3/USDAFS]

From: [Salek Shafiqullah](mailto:Salek.Shafiqullah)
To: [DeAnne Rietz](mailto:DeAnne.Rietz)
Cc: beverson@fs.fed.us; [Dale Ortman PE](mailto:Dale.Ortman.PE); [Jonathan Rigg](mailto:Jonathan.Rigg); [Melissa Reichard](mailto:Melissa.Reichard); [Tom Furgason](mailto:Tom.Furgason)
Subject: RE: Rosemont surface water quality EC section
Date: 07/26/2010 10:52 AM

Hello DeAnne,
I received the document. Thanks.

Salek Shafiqullah, Hydrologist
Coronado National Forest
520-388-8377

"DeAnne Rietz" <drietz@swca.com>

07/25/2010 07:22 PM

To "Salek Shafiqullah" <sshafiqullah@fs.fed.us>

cc <beverson@fs.fed.us>, "Jonathan Rigg" <jrigg@swca.com>, "Melissa Reichard" <mreichard@swca.com>, "Tom Furgason" <tfurgason@swca.com>, "Dale Ortman PE" <daleortmanpe@live.com>

Subject RE: Rosemont surface water quality EC section

Hello Selek,

I now have the surface water quality environmental consequences section ready for your review (attached).

Please let me know that you have received this.

Thanks again for your time and input.

DeAnne

From: DeAnne Rietz

Sent: Saturday, July 24, 2010 8:45 PM

To: 'Salek Shafiqullah'

Cc: beverson@fs.fed.us; Jonathan Rigg; Melissa Reichard; Tom Furgason; 'Dale Ortman PE'

Subject: RE: Rosemont surface water quantity EC section

Selek,

Hello – Attached is the surface water quantity environmental consequences section for your review and comment. I hope to get the surface water quality EC section to you tomorrow some time.

Please let me know that you have received this. Hope to speak with you soon.

Thank you for your time,

DeAnne

From: Salek Shafiqullah [<mailto:sshafiqullah@fs.fed.us>]

Sent: Tuesday, July 13, 2010 8:58 AM

To: DeAnne Rietz

Cc: beverson@fs.fed.us; Jonathan Rigg; Melissa Reichard; Tom Furgason

Subject: Re: Rosemont surface water affected environment section

Hello DeAnne,

Nice meeting you on the email. Hello.

Surface water sections received and will start the review. Thanks for helping put this together. Talk to you soon.

Salek Shafiqullah, Hydrologist
Coronado National Forest
520-388-8377

"DeAnne Rietz"
<drietz@swca.com>

07/12/2010 03:43 PM

To <sshafiqullah@fs.fed.us>

cc <beverson@fs.fed.us>, "Tom Furgason" <tfurgason@swca.com>, "Jonathan Rigg" <jrigg@swca.com>, "Melissa Reichard" <mreichard@swca.com>

Subject Rosemont surface water affected environment section

Hello Mr. Shafiquallah,

Attached are the draft surface water affected environment sections for the Rosemont project and they are ready for your review and comment.

Note this is the *affected environment only* and there is one document for surface water quality and one for surface water quantity. Also included for your reference is a draft map of the bounds of analysis.

In the interest of time, perhaps we may be able to set up time for a call to discuss your comments/concerns - once you have had a chance to review these sections. I know you are busy, so let me know what would work best for you. In the mean time, I will work on the environmental consequences sections for both the sw quality and quantity.

Thank you for your time – look forward to speaking with you soon.

DeAnne

DeAnne Rietz, MS
Hydrologist

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Phoenix, AZ 85012

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Fax 602.274.3958

[attachment "SW Quality_impacts.doc" deleted by Salek Shafiqullah/R3/USDAFS]

From: [Debby Kriegel](#)
To: [Trent Reeder](#)
Cc: [Beverley A Everson](#); [Krizek, David](#); [Katherine Arnold](#); [Marcie Bidwell](#); [Tom Furgason](#); [Debby Kriegel](#)
Subject: Re: Scholefield Conveyor 3D
Date: 07/22/2010 01:43 PM

Trent,

Why does the perimeter road appear to zigzag all across the south foothills? I thought that the perimeter road was always around the toe of the tailings and waste rock piles. Please get Rosemont to confirm the location.

Also, get confirmation from Rosemont and Tetra Tech on the distance between conveyor and power line.

And I'm pretty sure that the conveyor has a road on each side of it.

Otherwise looks good to me!

~~~~~  
Debby Kriegel, RLA  
Landscape Architect  
Coronado National Forest  
300 W. Congress  
Tucson, AZ 85701  
(520) 388-8427  
Fax (520) 388-8305  
[www.fs.fed.us/r3/coronado/](http://www.fs.fed.us/r3/coronado/)  
[dkriegel@fs.fed.us](mailto:dkriegel@fs.fed.us)

"Trent Reeder" <[treeder@swca.com](mailto:treeder@swca.com)>

07/22/2010 10:57 AM

To "Krizek, David" <[David.Krizek@tetrattech.com](mailto:David.Krizek@tetrattech.com)>, "Katherine Arnold" <[karnold@rosemontcopper.com](mailto:karnold@rosemontcopper.com)>, "Tom Furgason" <[tfurgason@swca.com](mailto:tfurgason@swca.com)>, "Beverley A Everson" <[beverson@fs.fed.us](mailto:beverson@fs.fed.us)>, "Debby Kriegel" <[dkriegel@fs.fed.us](mailto:dkriegel@fs.fed.us)>, "Marcie Bidwell" <[mbidwell@swca.com](mailto:mbidwell@swca.com)>

cc

Subject Scholefield Conveyor 3D

Hello,

I've attached a composite 3D scene from KOP 2 depicting a model of the conveyor system. You will have to zoom in to see some detail, but because of the large landscape the features start to lose detail due to their size compared to the whole scene. Below are notes about the scene:

· Scene is from KOP 2 , but I turned the camera to show the conveyor system. Basically sweeping from west (left) to northwest (right)

- Conveyor "tube" is 6 ft. diameter.
- Conveyor pillars are 21 ft. tall and 10 ft. wide with the conveyor tube on top. (From the conveyor specs sheet from M3, the pillars range from 16-26ft tall)
- Conveyor pillars are spaced 60ft' apart. (also from the conveyor spec sheet which depicted only a couple of pillars)
- Conveyor Transmission route was offset the conveyor route by 30ft in between the conveyor line and perimeter road edge. (This was my idea)
- Transmission poles are 50 ft. tall and spaced 400 ft. apart.
- Transmission poles represent a wooden monopole.
- Perimeter road is in orange depicted 12 ft. wide (used the width from Phased Tailings perimeter road)
- The Scholefield perimeter road center line follows the same conveyor alignment, but was offset the conveyor alignment by 162 ft.

Please let me know if you have any questions. Thanks

Trent Reeder  
GIS Specialist  
SWCA Environmental Consultants

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[attachment "Scholefield\_Conveyor\_3D.JPG" deleted by Debby Kriegel/R3/USDAFS]

**From:** [Debby Kriegel](#)  
**To:** [Beverley A Everson](#); [Melinda D Roth](#)  
**Subject:** Re: Sept. 2 Rosemont Core team meeting and request for extended team input  
**Date:** 08/31/2009 07:33 AM  
**Attachments:** [Issue\\_Resource\\_Matrix.docx](#)

---

Here's my rough input. Definitely needs some team discussion on Wednesday, because I have questions about this.



Issue\_Resource Matrix.docx

▼ [Beverley A Everson/R3/USDAFS](#)

**Beverley A  
Everson/R3/USDAFS**

08/27/2009 06:03 PM

To [abelauskas@fs.fed.us](mailto:abelauskas@fs.fed.us), [aelek@fs.fed.us](mailto:aelek@fs.fed.us),  
[dkriegel@fs.fed.us](mailto:dkriegel@fs.fed.us), [dsebesta@fs.fed.us](mailto:dsebesta@fs.fed.us),  
[ecuriel@fs.fed.us](mailto:ecuriel@fs.fed.us), [gmckay@fs.fed.us](mailto:gmckay@fs.fed.us), [jable@fs.fed.us](mailto:jable@fs.fed.us),  
[kbrown03@fs.fed.us](mailto:kbrown03@fs.fed.us), [kelleth@fs.fed.us](mailto:kelleth@fs.fed.us),  
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Farrell/R3/USDAFS@FSNOTES, Melinda D  
Roth/R3/USDAFS@FSNOTES, [mreichard@swca.com](mailto:mreichard@swca.com),  
[rlefevre@fs.fed.us](mailto:rlefevre@fs.fed.us), [sldavis@fs.fed.us](mailto:sldavis@fs.fed.us),  
[sshafiqullah@fs.fed.us](mailto:sshafiqullah@fs.fed.us), [temmett@fs.fed.us](mailto:temmett@fs.fed.us),  
[tfurgason@fs.fed.us](mailto:tfurgason@fs.fed.us), Walter  
Keyes/R3/USDAFS@FSNOTES, William B  
Gillespie/R3/USDAFS@FSNOTES, Kent C  
Ellett/R3/USDAFS@FSNOTES, [mreichard@swca.com](mailto:mreichard@swca.com),  
[tfurgason@swca.com](mailto:tfurgason@swca.com), [ccolyle@swca.com](mailto:ccolyle@swca.com)

cc

Subject Sept. 2 Rosemont Core team meeting and request for  
extended team input

Please see the attachment with Mindee's email, below. We will be using this matrix in the IDT team meeting next Wednesday, to see what issues and corresponding units of measure overlap with one another. Core and extended team please look at the matrix and note where there is overlap in the X and Y axes, and describe the unit(s) of measure that would apply (refer to the issue statement table the team developed for a reference - in WebEx). Please provide your input on the matrix by September 2. We will compare what the team has for units of measure with a list that SWCA is compiling during the IDT meeting.

Meeting scheduling - the core team will be meeting in 6V6, from 9:00 to 4:30, with a half hour for lunch. Extended team, in particular heritage, is encourage to attend the meeting also if possible.

Agenda items for the meeting include: units of measure, 2010 Program of Work, project Gantt Chart, and a review of recent meetings and updates on the project.

Please let me know if you have questions about the meeting or the prework for the meeting.

Bev

Beverley A. Everson  
Forest Geologist  
Coronado National Forest  
300 W. Congress Street, 6th Floor  
Tucson, AZ. 85701

Voice: 520-388-8428  
Fax: 520-388-8305

----- Forwarded by Beverley A Everson/R3/USDAFS on 08/26/2009 05:44 PM -----

**Melinda D Roth/R3/USDAFS**

08/25/2009 03:37 PM

To Beverley A Everson/R3/USDAFS@FSNOTES

cc

Subject Issue Overlap Table

Use this one. It's formatted to fit 8 1/2 X 11 paper...

Mindee Roth  
Coronado National Forest  
300 W. Congress, FB42  
Tucson, AZ 85701  
(520) 388-8319  
(520) 396-0715 (cell)  
(520) 388-8305 (FAX)[attachment "Issue\_Resource Matrix.docx"  
deleted by Debby Kriegel/R3/USDAFS]

**From:** [Salek Shafiqullah](#)  
**To:** [Dale Ortman PE](#)  
**Cc:** ['Beverley A Everson'](#); [Jonathan Rigg](#); ['Melissa Reichard'](#); ['Melinda D Roth'](#); ['Tom Furgason'](#)  
**Subject:** Re: SRK Tech Memos - Pit Lake Geochem & Waste/Heap/Tails Infiltration Fate & Transport  
**Date:** 05/05/2010 02:37 PM

---

Hello Dale,

The draft tech memo reviews by SRK are acceptable. Please finalize them and transmit to Rosemont.

I would like to have these issues resolved comprehensively and therefore, linking both of these subjects together with the same subject matter experts and arranging to discuss both simultaneously would be a prudent use of time and resources. That said, however, I am also interested in maintaining separation within the subjects in order to keep track of each topic and the relative outcomes of each. Since the collaborative approach to resolution we have been pursuing regarding the groundwater model review appears to be working well, I agree that this approach may prove useful to resolving these outstanding issues as well. Please arrange to conduct teleconferences and/or roundtable meetings with all the relevant participants, when Rosemont indicates they are ready to discuss. Thanks for helping to put this together.

Salek Shafiqullah, Hydrologist  
Coronado National Forest  
520-388-8377

"Dale Ortman PE"  
<daleortmanpe@live.com>

05/05/2010 09:31 AM

To ""Salek Shafiqullah - USFS "" <sshafiqullah@fs.fed.us>  
cc ""Beverley A Everson"" <beverson@fs.fed.us>, ""Melinda D Roth"" <mroth@fs.fed.us>, ""Jonathan Rigg"" <jrigg@swca.com>, ""Tom Furgason"" <tfurgason@swca.com>, ""Melissa Reichard"" <mreichard@swca.com>  
Subject SRK Tech Memos - Pit Lake Geochem & Waste/Heap/Tails Infiltration Fate & Transport

Salek,

Attached are the SRK Technical Memos reviewing the TetraTech pit lake geochemistry and waste rock/heap/tailings infiltration fate & transport reports. Both review memoranda

raise issues that need to be addressed before SRK can defensibly agree with the findings. I recommend that both memos be forwarded to Rosemont with the suggestion that we pursue the same collaborative approach to resolution that we are using for the mine site groundwater model review. As the same SRK personnel are involved in both the pit lake geochem and infiltration reviews I also recommend that we deal with both reports at the same time.

Please let me know how you want to handle these SRK review and, assuming you agree they should be submitted to Rosemont, when that occurs. I will gladly deal with Rosemont to resolve the issues raised by SRK, but I will need your approval to take on that task.

Cheers,

Dale

---

Dale Ortman PE PLLC  
Consulting Engineer

(520) 896-2404 - Arizona Office

(520) 449-7307 - Mobile

(435) 682-2777 - Utah Office

[daleortmanpe@live.com](mailto:daleortmanpe@live.com)

PO Box 1233

Oracle, AZ 85623

[attachment "Pit\_Lake\_Predict\_Model\_TechMemo\_183101\_VIU&SJD\_20100503\_FNL\_2.pdf" deleted by Beverley A Everson/R3/USDAFS] [attachment "InfiltSeepage+GeochemModelRvw\_TechMemo\_183101\_ms\_20100430\_FNL.pdf" deleted by Beverley A Everson/R3/USDAFS]

**From:** [Melinda D Roth](#)  
**To:** [Beverley A Everson](#)  
**Subject:** Re: Fw: Fuels & Fire Management  
**Date:** 08/25/2010 04:21 PM

---

Thank you Bev. This clarifies that Chris Garrett has what he needs and will incorporate the minor changes needed.

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▼ [Beverley A Everson/R3/USDAFS](#)

**Beverley A  
Everson/R3/USDAFS**

To Melinda D Roth/R3/USDAFS@FSNOTES  
cc

08/25/2010 03:37 PM

Subject Fw: Fuels & Fire Management

More FYI.

Beverley A. Everson  
Forest Geologist  
Coronado National Forest  
300 W. Congress Street, 6th Floor  
Tucson, AZ. 85701

Voice: 520-388-8428  
Fax: 520-388-8305

----- Forwarded by Beverley A Everson/R3/USDAFS on 08/25/2010 03:37 PM -----

**CHRISTOPHER GARRETT  
<lcgarrett77@msn.com>**

To <aelek@fs.fed.us>  
cc <beverson@fs.fed.us>

08/25/2010 02:16 PM

Subject RE: Fuels & Fire Management

Hi Art -

I think I must have missed a voicemail somewhere---I thought we had it all wrapped up back in June/July. Not a big disaster, though--still time to make changes.

In any case, just glancing through the attached I think most of these edits were indeed incorporated into the most recent version we have. But let me go through them more carefully just to make sure.

- C

---

To: lcgarratt77@msn.com  
CC: beverson@fs.fed.us  
Subject: Fw: Fuels & Fire Management  
From: aelek@fs.fed.us  
Date: Wed, 25 Aug 2010 15:03:20 -0600

Chris,  
Have you revised the Fuels and Fire Management document as edited by Chris Stetson our Forest Fire & Fuels Planner? I have returned your call but have not heard back from you.  
Thanks

ART ELEK  
Fire Prevention Officer  
Nogales Ranger District  
303 Old Tucson Road  
Nogales AZ. 85621  
Office: (520) 761-6010  
Cell: (520) 975-7814  
Fax: (520) 281-2396  
e-mail aelek@fs.fed.us

----- Forwarded by Arthur S Elek/R3/USDAFS on 08/25/2010 01:55 PM -----

**Christopher H Stetson/R3/USDAFS** 06/24/2010 11:01 AM

To Arthur S Elek/R3/USDAFS@FSNOTES  
cc  
Subject Re: Fuels & Fire ManagementLink

Hi Art,

I made a few comments and changes to the document. It looks like they were using out of date material related to the LRMP and Fire Management Plan. In some cases, I did not actually delete the information, but commented on why to delete it. Hope this helps.

Chris Stetson

Fire & Fuels Planning  
Coronado National Forest  
Office: 520-388-8360  
Cell: 520-780-8966

Arthur S Elek/R3/USDAFS 06/22/2010 02:38 PM

To Christopher H Stetson/R3/USDAFS@FSNOTES

cc

Subject Fuels & Fire Management

Chris,  
Attached is a document sent to me from my counterpart at SWCA as part of the Rosemont DEIS. Please review the document making any revisions or changes you may see might be needed. If it looks ok just comment that you have reviewed it and I will forward it to the ID Team.  
Thanks

[attachment "Fuel-Fire Section - 61110 - cjg.doc" deleted by Christopher H Stetson/R3/USDAFS]

ART ELEK  
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e-mail aelek@fs.fed.us

**From:** [Jerome Hesse](#)  
**To:** [Beverley A Everson](#)  
**Subject:** RE: Bounds of Analysis Geology  
**Date:** 07/10/2009 10:13 AM

---

[Here you go.](#)

[Jerome](#)

---

**From:** Beverley A Everson [mailto:beverson@fs.fed.us]  
**Sent:** Thursday, July 09, 2009 6:58 PM  
**To:** Jerome Hesse  
**Cc:** Dale Ortman PE  
**Subject:** Re: Bounds of Analysis Geology

Jerome and Dale,

Please provide the memoranda that were supposed to be attached, ie., ***Rosemont Project EIS Draft Chapter 3 Affected Environment Outline, May 19, 2009 Impact Timeline*** dated 11 January 2009. They are referenced but omitted.

Thank you - Bev

Beverley A. Everson  
Forest Geologist  
Coronado National Forest  
300 W. Congress Street, 6th Floor  
Tucson, AZ. 85701

Voice: 520-388-8428  
Fax: 520-388-8305

"Jerome Hesse"  
<jhesse@swca.com>

06/11/2009 10:24 AM

To <beverson@fs.fed.us>  
cc "Dale Ortman PE" <daleortmanpe@live.com>, "Charles Coyle" <ccoyle@swca.com>, "Tom Furgason" <tfurgason@swca.com>  
Subject Bounds of Analysis Geology

Hi Bev,

Sorry I have not contacted you earlier about the bounds of analysis for the Affected Environment--Geology and Minerals section of the Rosemont EIS. Take a look at Dale's attached memo. Initially we were proposing multiple bounds of analysis for geology focusing on Mine Site Geology and Minerals, Seismicity, and Caves, but after further discussion we believe it is prudent to limit the analysis to a single bounds focusing on the mine site. Seismicity and caves will of course be addressed, but are not likely to be such significant issues that they warrant an entire separate formal bounds of analysis.

Let me know if you agree with this approach.

Thanks,

Jerome Hesse  
Program Director, Cultural Resources  
SWCA Environmental Consultants  
343 West Franklin Street  
Tucson, Arizona 85701  
520-325-9194 phone  
520-325-2033 fax

[attachment "DRAFT CHAPTER 3 AFFECTED ENVIRONMENT OUTLINE rev 5-19-09.doc" deleted by Beverley A Everson/R3/USDAFS]

**From:** [Melinda D Roth](#)  
**To:** [Reta Laford](#)  
**Cc:** [Beverley A Everson](#); [Jeanine Derby](#)  
**Subject:** Re: Corps Alt -Re: Feb. 3 IDT meeting agenda (tentative)  
**Date:** 02/01/2010 08:21 AM

---

Yes, and we would like to meet with Jeanine to provide our thoughts and understand what additional questions need to be answered to finalize the alternatives to be considered in detail.

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▼ [Reta Laford/R3/USDAFS](#)

**Reta  
Laford/R3/USDAFS**

To: Beverley A Everson/R3/USDAFS@FSNOTES, Melinda D Roth/R3/USDAFS@FSNOTES

cc

01/29/2010 05:49 PM

Subject: Corps Alt -Re: Feb. 3 IDT meeting agenda (tentative)



Have you tackled working on merging the Corps alternative with ours?

Reta Laford, Deputy Forest Supervisor

USDA Forest Service, Coronado National Forest  
300 W Congress Street, Tucson, AZ 85701

Phone: 520-388-8307 (office), 505-452-7557 (cell)  
Fax: 520-388-8305  
Email: [rlaford@fs.fed.us](mailto:rlaford@fs.fed.us)

-----  
▼ [Beverley A Everson/R3/USDAFS](#)

**Beverley A  
Everson/R3/USDAFS**

To: Beverley A Everson/R3/USDAFS@FSNOTES

cc: [aelek@fs.fed.us](mailto:aelek@fs.fed.us), Charles A Blair/R3/USDAFS@FSNOTES, Deborah K Sebesta/R3/USDAFS@FSNOTES, [dkriegel@fs.fed.us](mailto:dkriegel@fs.fed.us), [ecuriel@fs.fed.us](mailto:ecuriel@fs.fed.us), [gmckay@fs.fed.us](mailto:gmckay@fs.fed.us), [jrigg@swca.com](mailto:jrigg@swca.com), [kbrown03@fs.fed.us](mailto:kbrown03@fs.fed.us), [kellett@fs.fed.us](mailto:kellett@fs.fed.us), [ljones02@fs.fed.us](mailto:ljones02@fs.fed.us), Mary M

01/29/2010 05:31 PM

Farrell/R3/USDAFS@FSNOTES, Melinda D  
Roth/R3/USDAFS@FSNOTES, mreichard@swca.com,  
Reta Laford/R3/USDAFS@FSNOTES,  
riefevre@fs.fed.us, sldavis@fs.fed.us,  
sshafiqullah@fs.fed.us, temmett@fs.fed.us,  
tfurgason@swca.com, Walter  
Keyes/R3/USDAFS@FSNOTES, William B  
Gillespie/R3/USDAFS@FSNOTES

Subject Feb. 3 IDT meeting agenda (tentative) 

Here is the tentative agenda for our meeting. See you Wednesday.

Bev

[attachment "Feb. 3, 2010 IDT Meeting Agenda.docx" deleted by Reta Laford/R3/USDAFS]

Beverley A. Everson  
Forest Geologist  
Coronado National Forest  
300 W. Congress Street, 6th Floor  
Tucson, AZ. 85701  
Voice: 520-388-8428  
Fax: 520-388-8305

10/01/2008 03:58 PM

cc Jeanine Derby/R3/USDAFS@FSNOTES,  
beverson@fs.fed.us, Reta  
Laford/R3/USDAFS@FSNOTES, "Suzanne Griset"  
<sgriset@swca.com>, "Tom Euler"  
<teuler@swca.com>, "Tom Furgason"  
<tfurgason@swca.com>, William B  
Gillespie/R3/USDAFS@FSNOTES

Subject Re: Draft notes from CNF presentation to T.O. Tribal  
Council 

The Nation as a whole would best be listed as the "cooperating agency". They should designate a single point of contact (e.g., Peter Steere) to coordinate input to the FS from all Tribal departments.

-----Mary M Farrell/R3/USDAFS wrote: -----

To: Jeanine Derby/R3/USDAFS@FSNOTES  
From: Mary M Farrell/R3/USDAFS  
Date: 09/29/2008 09:35AM  
cc: beverson@fs.fed.us, Reta Laford/R3/USDAFS@FSNOTES, "Suzanne Griset" <sgriset@swca.com>, "Tom Euler" <teuler@swca.com>, "Tom Furgason" <tfurgason@swca.com>, William B Gillespie/R3/USDAFS@FSNOTES, Andrea W Campbell/R3/USDAFS@FSNOTES  
Subject: Re: Draft notes from CNF presentation to T.O. Tribal Council

Suzanne,

thanks -- way better notes than I would have taken! A couple typos marked in this version:

Jeanine,

In your correction, are you saying that the Nation will be invited to be a cooperating agency under NEPA as well as a consulting party under NHPA? I think that's a great idea, because it puts the Nation on a par with Pima County, and a lot of the Nation's concerns will be the same as the County's, and have nothing to do with NHPA. If so, would this re-wording work to clarify Udall Center's role in public working groups vs our gov't-to-gov't relationship with the tribes?

Jeanine responded that the Coronado National Forest welcomes input from the Tohono O'odham Nation and will issue a formal invitation for the Nation to participate as a "cooperating agency" under NEPA as well as a "consulting party" under the National Historic Preservation Act. Jeanine also noted that the CNF has engaged the Udall Institute to form and manage public working groups to work on a separate track supporting the NEPA process.

I should admit that I haven't ever worked on an EIS that had formal cooperating agencies and don't know what all it entails. Does it make more sense for departments of the Nation (e.g. natural resources, mining) to be cooperating agencies, or the Nation as a whole?

Mary M. Farrell

Forest Archaeologist  
Coronado National Forest  
300 W. Congress  
Tucson, AZ 85701  
(520) 388-8391  
(520) 388-8305 (fax)  
Jeanine Derby/R3/USDAFS

Jeanine Derby/R3/USDAFS  
09/29/2008 08:27 AM

To  
"Suzanne Griset" <sgriset@swca.com>

cc  
beverson@fs.fed.us, mfarrell@fs.fed.us, "Tom Euler" <teuler@swca.com>, "Tom Furgason" <tfurgason@swca.com>, William B Gillespie/R3/USDAFS@FSNOTES, Reta Laford/R3/USDAFS@FSNOTES

Subject  
Re: Draft notes from CNF presentation to T.O. Tribal Council

Thanks for your notes. There is some confusion between cooperating agencies and working groups in the notes. In paragraph 4 of notes, please make this correction. "Coronado National Forest has engaged the Udall Institute to form and manage public working groups to work on a separate track supporting the NEPA process." (The public working groups will complete specific tasks, such as evaluating public comments and developing issues for alternatives.)

Jeanine Derby, Forest Supervisor  
Coronado National Forest  
phone: 520 388-8306  
FAX: 520 388-8305  
"Suzanne Griset" <sgriset@swca.com>

"Suzanne Griset" <sgriset@swca.com>  
09/26/2008 03:16 PM

To  
<mfarrell@fs.fed.us>, <wgillespie@fs.fed.us>, <beverson@fs.fed.us>

cc  
"Jeanine Derby" <jderby@fs.fed.us>, "Tom Euler" <teuler@swca.com>, "Tom Furgason" <tfurgason@swca.com>

Subject  
Draft notes from CNF presentation to T.O. Tribal Council

Mary mentioned that Kendra might have taken notes, but since we haven't had a response to email inquiries, I thought I would transcribe my notes while they still make sense. I will contact Chairman Jose to see if there is a transcript available of the presentation. In the meantime, would those of you who attended and have notes, please review these and send me your comments/revisions?

**From:** [Mary M Farrell](#)  
**To:** [Melinda D Roth](#)  
**Cc:** [Arthur S Elek](#); [Beverley A Everson](#); [Charles A Blair](#); [Deborah K Sebesta](#); [dkriegel@fs.fed.us](mailto:dkriegel@fs.fed.us); [ecuriel@fs.fed.us](mailto:ecuriel@fs.fed.us); [gmckay@fs.fed.us](mailto:gmckay@fs.fed.us); [jrigg@swca.com](mailto:jrigg@swca.com); [kbrown03@fs.fed.us](mailto:kbrown03@fs.fed.us); [kellett@fs.fed.us](mailto:kellett@fs.fed.us); [ljones02@fs.fed.us](mailto:ljones02@fs.fed.us); [mreichard@swca.com](mailto:mreichard@swca.com); [Reta Laford](mailto:Reta Laford); [rlefevre@fs.fed.us](mailto:rlefevre@fs.fed.us); [sldavis@fs.fed.us](mailto:sldavis@fs.fed.us); [sshafiqullah@fs.fed.us](mailto:sshafiqullah@fs.fed.us); [temmett@fs.fed.us](mailto:temmett@fs.fed.us); [tfurgason@swca.com](mailto:tfurgason@swca.com); [Walter Keyes](#); [William B Gillespie](#)  
**Subject:** Re: Feb. 10, 2010 Extended IDT Meeting Agenda.docx  
**Date:** 02/09/2010 02:59 PM

---

Mindee, I've been struggling with 2 questions and if there's time, I wonder if we could get guidance at the meeting tomorrow, or at least make sure I'm framing the questions correctly?

1. What's the best way to define the area of analysis for cumulative effects? Bill and I suspect this would be different for each resource, and we have one example for cultural resources (from Carlota Mine), but it isn't exactly comparable. For archaeology, it might make sense to define the bounds of analysis as everywhere there are sites of similar age and cultural affiliation; for tribal concerns, it could include the aboriginal territories of all tribes who continue to have ties to the project area.

2. What documents need to go into the DEIS appendix/appendices?

See you tomorrow.

Mary

Mary M. Farrell  
Heritage Program Leader and Tribal Liaison  
Coronado National Forest  
300 W. Congress  
Tucson, AZ 85701  
(520) 388-8391  
(520) 388-8305 (fax)  
▼ [Melinda D Roth/R3/USDAFS](#)

**Melinda D  
Roth/R3/USDAFS**

02/09/2010 08:33 AM

To: Beverley A Everson/R3/USDAFS@FSNOTES  
cc: Arthur S Elek/R3/USDAFS@FSNOTES, Beverley A Everson/R3/USDAFS@FSNOTES, Charles A Blair/R3/USDAFS@FSNOTES, Deborah K Sebesta/R3/USDAFS@FSNOTES, [dkriegel@fs.fed.us](mailto:dkriegel@fs.fed.us), [ecuriel@fs.fed.us](mailto:ecuriel@fs.fed.us), [gmckay@fs.fed.us](mailto:gmckay@fs.fed.us), [jrigg@swca.com](mailto:jrigg@swca.com), [kbrown03@fs.fed.us](mailto:kbrown03@fs.fed.us), [kellett@fs.fed.us](mailto:kellett@fs.fed.us), [ljones02@fs.fed.us](mailto:ljones02@fs.fed.us), Mary M Farrell/R3/USDAFS@FSNOTES, [mreichard@swca.com](mailto:mreichard@swca.com), [Reta Laford](mailto:Reta Laford)/R3/USDAFS@FSNOTES, [rlefevre@fs.fed.us](mailto:rlefevre@fs.fed.us), [sldavis@fs.fed.us](mailto:sldavis@fs.fed.us), [sshafiqullah@fs.fed.us](mailto:sshafiqullah@fs.fed.us), [temmett@fs.fed.us](mailto:temmett@fs.fed.us), [tfurgason@swca.com](mailto:tfurgason@swca.com), Walter Keyes/R3/USDAFS@FSNOTES, William B Gillespie/R3/USDAFS@FSNOTES

Subject: Re: Feb. 10, 2010 Extended IDT Meeting Agenda.docx



See you in **6V6**.

Mindee Roth  
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▼ Beverley A Everson/R3/USDAFS

**Beverley A  
Everson/R3/USDAFS**

02/06/2010 04:51 PM

To Charles A Blair/R3/USDAFS@FSNOTES, Deborah K Sebesta/R3/USDAFS@FSNOTES, dkriegel@fs.fed.us, ecuriel@fs.fed.us, gmckay@fs.fed.us, jrigg@swca.com, kbrown03@fs.fed.us, kellett@fs.fed.us, ljones02@fs.fed.us, Mary M Farrell/R3/USDAFS@FSNOTES, Melinda D Roth/R3/USDAFS@FSNOTES, mreichard@swca.com, Reta Laford/R3/USDAFS@FSNOTES, rlefevre@fs.fed.us, sldavis@fs.fed.us, sshafiqullah@fs.fed.us, temmett@fs.fed.us, tfurgason@swca.com, Walter Keyes/R3/USDAFS@FSNOTES, William B Gillespie/R3/USDAFS@FSNOTES, Arthur S Elek/R3/USDAFS@FSNOTES, Beverley A Everson/R3/USDAFS@FSNOTES

cc

Subject Feb. 10, 2010 Extended IDT Meeting Agenda.docx

The agenda for the meeting is attached. Note that this is an extended team meeting, and that it will be a half day. I will need to double check the meeting room and get back to you to confirm; the meeting will either be in 6V6 or 4B.

Beverley A. Everson  
Forest Geologist  
Coronado National Forest  
300 W. Congress Street, 6th Floor  
Tucson, AZ. 85701

Voice: 520-388-8428  
Fax: 520-388-8305

[attachment "Feb. 10, 2010 IDT Meeting Agenda.docx" deleted by Mary M Farrell/R3/USDAFS]

**From:** [William B Gillespie](#)  
**To:** [Beverley A Everson](#); [Melinda D Roth](#)  
**Cc:** [Mary M Farrell](#)  
**Subject:** Re: Final filing area for DEIS review. Sorry for the changes and inconvenienced  
**Date:** 01/22/2010 04:28 PM

---

Bev and Mindee,

Mary and I have gone through the Cultural Resources sections of both Chapters 2 and 3 of the DEIS, combined our comments, and filed them in the form of Track Changes versions in the fstmp location. Most of the editorial suggestions we made are relatively minor. The biggest gap we see is the lack of discussion of cultural resource issues for the different alternatives. For each alternative with a different area of potential effect, we would like to see a discussions of numbers and types of known cultural resources and numbers of acres that have not been recently surveyed for archaeological sites. At present, Chapter 3 talks about "the 4 alternatives" while Chapter 2 discusses 7 alternatives. We have talked with Suzanne Griset about these items. If you are OK with what we have here, I'd suggest they go to Suzanne, Jerome Hesse, and Tom Ferguson.

William Gillespie, Archaeologist  
Coronado National Forest  
300 W Congress  
Tucson AZ 85701  
Phone 520-388-8392  
FAX 520-388-8305

▼ [Beverley A Everson/R3/USDAFS](#)

**Beverley A  
Everson/R3/USDAFS**

01/22/2010 01:51 PM

To: Beverley A Everson/R3/USDAFS@FSNOTES  
cc: aelek@fs.fed.us, Charles A Blair/R3/USDAFS@FSNOTES, Deborah K Sebesta/R3/USDAFS@FSNOTES, dkriegel@fs.fed.us, ecuriel@fs.fed.us, gmckay@fs.fed.us, jrigg@swca.com, kbrown03@fs.fed.us, kellett@fs.fed.us, ljones02@fs.fed.us, Mary M Farrell/R3/USDAFS@FSNOTES, Melinda D Roth/R3/USDAFS@FSNOTES, mreichard@swca.com, Reta Laford/R3/USDAFS@FSNOTES, rlefevre@fs.fed.us, sldavis@fs.fed.us, sshafiqullah@fs.fed.us, temmett@fs.fed.us, tfurgason@swca.com, Walter Keyes/R3/USDAFS@FSNOTES, William B Gillespie/R3/USDAFS@FSNOTES  
Subject: Final filing area for DEIS review. Sorry for the changes and inconvenience 

This one is in fstmp, which everyone can access. Here's the shortcut.

[attachment "Rosemont DEIS Review Jan. 2010.Ink" deleted by William B Gillespie/R3/USDAFS]

Beverley A. Everson  
Forest Geologist  
Coronado National Forest  
300 W. Congress Street, 6th Floor  
Tucson, AZ. 85701

Voice: 520-388-8428  
Fax: 520-388-8305

**From:** [Debby Kriegel](#)  
**To:** [Kathy Arnold](#)  
**Cc:** [David Krizek](#); [Marcie Bidwell](#); [Tom Furgason](#); [Trent Reeder](#); [Debby Kriegel](#); [Beverley A Everson](#); [Melinda D Roth](#)  
**Subject:** Re: For USFS direction: RCC Viewshed analysis  
**Date:** 02/10/2010 08:04 AM

---

Hmmm. Sounds like there is a need to confirm what is possible for each alternative. Is this something that Tetra Tech can help with? Could they start with Golder's report next week? Alternatives like the McCleary/Scholefield ("perched on the top of a hill") might need very different treatment, huh?!

▼ [Kathy Arnold <karnold@rosemontcopper.com>](mailto:karnold@rosemontcopper.com)

**Kathy Arnold**  
<karnold@rosemontcopper.com>

02/10/2010 07:44 AM

To: Debby Kriegel <dkriegel@fs.fed.us>, Marcie Bidwell <mbidwell@swca.com>  
cc: David Krizek <david.krizek@tetrattech.com>, Tom Furgason <tfurgason@swca.com>, Trent Reeder <treeder@swca.com>  
Subject: Re: For USFS direction: RCC Viewshed analysis

Debby -

I agree with everything that you are saying (in concept) my concern is that Horst and Golder's work is being developed on a landform in a drainage – supported on several sides by the natural ground and not a free-form structure perched on the top of a hill or a drainage. That effects the stability and the stormwater management requirements. I do not think that you can evenly apply ALL grading on all shapes – it will give an indication yes, but needs to be judiciously applied. I am hoping that you get the disclaimers from Golder and Horst as to the applicability of applying their design techniques to other drainages or other locations – possibilities aren't necessarily reality.

Cheers!

Kathy

**Katherine Ann Arnold, P.E.** | Director of Environmental and Regulatory Affairs  
Cell: 520.784.1972 | Main: 520.297.7723 | Fax 520.297.7724  
[karnold@rosemontcopper.com](mailto:karnold@rosemontcopper.com)



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disclosure or distribution is prohibited. If you are not the intended recipient, please delete all copies and notify us immediately.

---

**From:** Debby Kriegel <[dkriegel@fs.fed.us](mailto:dkriegel@fs.fed.us)>  
**Date:** Wed, 10 Feb 2010 08:34:47 -0600  
**To:** Marcie Bidwell <[mbidwell@swca.com](mailto:mbidwell@swca.com)>  
**Cc:** David Krizek <[david.krizek@tetrattech.com](mailto:david.krizek@tetrattech.com)>, Katherine Arnold <[karnold@rosemontcopper.com](mailto:karnold@rosemontcopper.com)>, Tom Furgason <[tfurgason@swca.com](mailto:tfurgason@swca.com)>, Trent Reeder <[treeder@swca.com](mailto:treeder@swca.com)>, Debby Kriegel <[dkriegel@fs.fed.us](mailto:dkriegel@fs.fed.us)>  
**Subject:** Re: For USFS direction: RCC Viewshed analysis

Simulations created for visual resource analysis and the EIS must be honest and accurate depictions of what the alternative would look like. They need to include stormwater management features, such as benches, if these features would be required. It is not appropriate to simulate 3:1 smooth top-to-bottom slopes if benches will be necessary (I'm assuming that this is what you're calling "angular grading" from Tetra Tech).

Golder's work will be complete on Monday, and the results may indicate that fewer benches are required. Horst Schor's work is expected to create more natural forms to deal with stormwater. Both of these would lessen effects to visual quality and should be incorporated as much as possible into alternatives and resulting simulations.

The exception would be the MPO, which doesn't have a stormwater grading plan. I recommend printing a disclaimer statement regarding this on the MPO simulations.

Thanks.

Debby Kriegel

"Marcie Bidwell" <[mbidwell@swca.com](mailto:mbidwell@swca.com)> 02/09/2010 02:36 PM

To

"Krizek, David" <[David.Krizek@tetrattech.com](mailto:David.Krizek@tetrattech.com)>, "Debby Kriegel"

<[dkriegel@fs.fed.us](mailto:dkriegel@fs.fed.us)>, "Tom Furgason" <[tfurgason@swca.com](mailto:tfurgason@swca.com)>, "Kathy Arnold" <[karnold@rosemontcopper.com](mailto:karnold@rosemontcopper.com)>, "Trent Reeder" <[treeder@swca.com](mailto:treeder@swca.com)>

cc  
Subject

For USFS direction: RCC Viewshed analysis

Hello Debby and Kathy,

I wanted to check in with you for direction to SWCA and Tetra Tech regarding what level of engineering resolution that we should all use in visual analysis and supporting efforts.

Please see David's message below and use the two attachments to place the questions in reference.

1. David has sent a pdf map of the Barrel only alternative that shows the angular grading of the "raw process."
2. I have attached a GIS view of the MPO with the benches etc, rather than smoothing, i.e. the "Raw process."

Due to the level of engineering development of the alternatives, David is proposing that both companies work from the raw version of the alternatives.

It is my understanding that working from the "raw" images would provide the "typical stormwater and benching" design that the Visual Coordination Meeting directed us to use (see KOP 12 attached).

**Debby**, Please confirm that we should all be working on the "raw" data that shows benching, to create a fair comparison.

**David**, I am still waiting for response to the questions that I submitted to Tt on Feb. 2 regarding the presentation of the MPO; I think my questions overlap with yours.

---

**From Marcie to SWCA, Tt, and USFS on 2/2/2010: RE: Visualization Coordination Follow Up and Minutes.**

**MPO- Specific Questions-**

1. Please confirm **which presentation of the MPO grading** we should use for **visualizations at Y10** is as presented in **Figure 9** of the Reclamation and Closure Plan (RCP).

2. Please confirm **which presentation of the MPO grading** we should use for **visualizations at Y20-** should the MPO be shown as **Figure 11 or Figure 12** of the RCP.

3. Please indicate what the **geodatabase layer name** is that will have the **"composite of yearly reclamation areas"** in the data provided by Tt.

4. SWCA understands that the MPO should show benches as the following: waste rock, as 100 ft running slopes for each bench and approximately 100 ft wide road/bench surface; and tailings as 50 ft benches and running surface; the attached KOP 12 image shows the output from the MPO with benches as submitted. **Please confirm if this is what we should use for final grading.**

---

**From:** Krizek, David [<mailto:David.Krizek@tetrattech.com>]  
**Sent:** Tuesday, February 09, 2010 11:59 AM  
**To:** Marcie Bidwell  
**Cc:** Keepers, Ashley; Carrasco, Joel  
**Subject:** RCC Viewshed analysis

Marcie,

This e-mail is being sent just to clarify the shapes we are using for our viewshed analysis.

Depending on the alternative, the various alternatives have been developed to three different stages. These stages are:

1. Raw Stage
2. Smoothed Stage
3. Advanced Stage

For the ultimate footprint, the following stages have been done:

- |                                                        |                 |          |
|--------------------------------------------------------|-----------------|----------|
| 1. Barrel and McCleary Alternative                     | raw             |          |
| stage                                                  | advanced design |          |
| 2. MPO                                                 | raw stage       | smoothed |
| shape                                                  |                 |          |
| 3. Barrel Only Alternative                             | raw stage       |          |
| 4. Sycamore Tailings and Barrel Waste Alternative      | raw stage       |          |
| 5. Scholefield Tailings and McCleary Waste Alternative | raw stage       |          |

For the Year 10 footprint, the following stages have been done:

1. Barrel and McCleary Alternative raw stage
2. MPO raw stage
3. Barrel Only Alternative raw stage
4. Sycamore Tailings and Barrel Waste Alternative raw stage
5. Scholefield Tailings and McCleary Waste Alternative raw stage

For the viewshed analysis, we are just planning on using the raw stage for all (Barrel Only Alternative attached for example). The raw stage is the angular version used to determine volumes, etc. Otherwise it won't be an equal analysis.

Is this what you were anticipating?

Sincerely,

**David Krizek | Principal**

Main: 520-297-7723 | Mobile: 520-260-3490 | Fax: 520-297-7724

*Tetra Tech*

3031 West Ina Road | Tucson, AZ 85741 |

[www.ttratech.com](http://www.ttratech.com) <<http://www.ttratech.com/>>

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*[attachment "Barrel Only\_raw shape.pdf" deleted by Debby Kriegel/R3/USDAFS] [attachment "11204\_KOP12\_PAb.jpg" deleted by Debby Kriegel/R3/USDAFS]*

**From:** [Debby Kriegel](#)  
**To:** [Kent C Ellett](#)  
**Cc:** [Beverley A Everson](#); [Robert Lefevre](#); [Deborah K Sebesta](#); [Larry Jones](#); [Melinda D Roth](#); [Reta Laford](#); [Salek Shafiqullah](#); [Tami Emmett](#); [Teresa Ann Ciapusci](#)  
**Subject:** Re: Forest response to proposed utility lines for Rosemont project  
**Date:** 04/30/2010 07:33 AM

---

Kent,

Thank you for providing this summary of comments!

I think it's too early for us to decide on a preferred route. Analysis for the mine (including the power line) is barely getting underway, and analysis based on a 1000 ft wide study corridor is too crude. I personally need to understand a more precise proposed route for the lines to determine effects on visual quality and recreation setting. Also, visual simulations (which SWCA will be working on in the future) should be helpful.

Based on the line being operational 99.8% of the time, that works out to the power being out 18 hours each year. Are we really ok with allowing miles of permanent power line south of the mine just because they'll have to run backup power less than one day a year?

Also, did we get an answer from TEP on whether the Box Canyon line will need maintenance within the next few years? That work, plus construction of new lines, could dramatically increase impacts on forest resources.

Thanks.

Debby

▼ [Kent C Ellett/R3/USDAFS](#)

**Kent C  
Ellett/R3/USDAFS**

04/29/2010 02:42 PM

**To** Reta Laford/R3/USDAFS@FSNOTES, Beverley A Everson/R3/USDAFS@FSNOTES, Melinda D Roth/R3/USDAFS@FSNOTES  
**cc** Teresa Ann Ciapusci/R3/USDAFS@FSNOTES, Deborah K Sebesta/R3/USDAFS@FSNOTES, Larry Jones/R3/USDAFS@FSNOTES, Bob Lefevre, Salek Shafiqullah/R3/USDAFS@FSNOTES, Debby Kriegel/R3/USDAFS@FSNOTES, Tami Emmett/R3/USDAFS@FSNOTES  
**Subject** Forest response to proposed utility lines for Rosemont project

Attached is a Draft 1 1/2 page response to EPG. I think I've capture most inputs.

As a Forest do we want to state our preferred route or leave it loose

ended?

For example: Currently we say segments 160, 170, 190 and 210 are preferred for air quality since it would reduce the need for back-up generators but they would add to adverse visual impacts, although it may allow TEP to remove segment 150 through Box Canyon.

For archeology we prefer the Adjacent 46kV (southern) route but it would result in the most miles of utility lines on the Forest, affecting wildlife, visual and watersheds.

Going with the UofA's preferred route of going along Santa Rita Rd would provide the fewest miles on FS lands but would go by Huerfano Butte and could disturb Helvetia - archeology/heritage.

So, in the response we state pros here and cons there. So again, back to the question. Do we want to discuss as an ID Team and come to an agreement on the Forest's preferred route or leave the response as it is for now?

Reta, Bev, Mindee your thoughts?

Thanks,

Kent C. Ellett  
District Ranger, Nogales RD  
520-761-6002 (w), 520-975-0902 (cell)

[attachment "April2010\_Forest comments RE proposed Rosemont utilities.docx" deleted by Debby Kriegel/R3/USDAFS]

**From:** [CHRISTOPHER GARRETT](mailto:CHRISTOPHER_GARRETT@fs.fed.us)  
**To:** [aelek@fs.fed.us](mailto:aelek@fs.fed.us)  
**Cc:** [beverson@fs.fed.us](mailto:beverson@fs.fed.us); [Jonathan Rigg](mailto:Jonathan_Rigg@swca.com); [mroth@fs.fed.us](mailto:mroth@fs.fed.us)  
**Subject:** RE: Fuels & Fire Management  
**Date:** 08/30/2010 11:32 AM

---

I'll get these changes made---thanks Art.

---

To: [lcgarrett77@msn.com](mailto:lcgarrett77@msn.com)  
CC: [beverson@fs.fed.us](mailto:beverson@fs.fed.us); [jrigg@swca.com](mailto:jrigg@swca.com); [mroth@fs.fed.us](mailto:mroth@fs.fed.us)  
Subject: RE: Fuels & Fire Management  
From: [aelek@fs.fed.us](mailto:aelek@fs.fed.us)  
Date: Mon, 30 Aug 2010 12:12:38 -0600

Hi Chris,

I read through both documents and found a few minor edits as follows: p 2, 3 references to Forest Service 1986 correct date to 2005; p5, under **Fuels Management Actions** insert Coronado Fire Management Plan; Forest Service 2010; p 6, under **Wildfire Response** delete [Forest Service 1986]. The rest looks good. Hopefully we can tie a ribbon on it.

Thanks

ART ELEK  
Fire Prevention Officer  
Nogales Ranger District  
303 Old Tucson Road  
Nogales AZ. 85621  
Office: (520) 761-6010  
Cell: (520) 975-7814  
Fax: (520) 281-2396  
e-mail [aelek@fs.fed.us](mailto:aelek@fs.fed.us)

**CHRISTOPHER GARRETT**

[lcgarrett77@msn.com](mailto:lcgarrett77@msn.com) 08/30/2010 06:48 AM

To <[aelek@fs.fed.us](mailto:aelek@fs.fed.us)>  
cc <[beverson@fs.fed.us](mailto:beverson@fs.fed.us)>, [Jonathan Rigg](mailto:Jonathan_Rigg@swca.com) <[jrigg@swca.com](mailto:jrigg@swca.com)>,  
<[mroth@fs.fed.us](mailto:mroth@fs.fed.us)>, [Tom Furgason](mailto:Tom_Furgason@swca.com) <[tfurgason@swca.com](mailto:tfurgason@swca.com)>  
Subject RE: Fuels & Fire Management

Hi Art -

I don't see it under WebEx either, so it must not be posted yet--but it only recently went through editing, so that's not out of the ordinary. But I've attached the latest version here.

- Chris

---

To: [lcgarrett77@msn.com](mailto:lcgarrett77@msn.com)  
CC: [beverson@fs.fed.us](mailto:beverson@fs.fed.us); [jrigg@swca.com](mailto:jrigg@swca.com); [mroth@fs.fed.us](mailto:mroth@fs.fed.us); [tfurgason@swca.com](mailto:tfurgason@swca.com)  
Subject: RE: Fuels & Fire Management  
From: [aelek@fs.fed.us](mailto:aelek@fs.fed.us)  
Date: Sat, 28 Aug 2010 09:02:29 -0700

Chris,

Would you send me a copy of the current document and if it is in Webex under what title? The documents I looked at were fire history maps and the document I authored.

Thanks

ART ELEK

Fire Prevention Officer  
Nogales Ranger District  
303 Old Tucson Road  
Nogales AZ. 85621  
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Fax: (520) 281-2396  
e-mail aelek@fs.fed.us

**CHRISTOPHER GARRETT**  
<lcgarrett77@msn.com> 08/26/2010 11:50 AM

To <aelek@fs.fed.us>  
cc <beverson@fs.fed.us>, Jonathan Rigg <jrigg@swca.com>, Tom  
Furgason <tfurgason@swca.com>, <mroth@fs.fed.us>  
Subject RE: Fuels & Fire Management

Hi Art -

Have it all figured out now. When you mentioned Chris Stetson I thought you must be referring to a more recent review--but actually I see now that his edits ARE the version that we've been working on from back in June. Sorry about the confusion.

Anyway, just to be clear for everybody:

All of the edits and comments on Fuel & Fire--which are the ones Art sent yesterday--have indeed been addressed in the version of the document that we have ready to go.

- Chris

---

To: lcgarrett77@msn.com  
CC: beverson@fs.fed.us  
Subject: Fw: Fuels & Fire Management  
From: aelek@fs.fed.us  
Date: Wed, 25 Aug 2010 15:03:20 -0600

Chris,

Have you revised the Fuels and Fire Management document as edited by Chris Stetson our Forest Fire & Fuels Planner? I have returned your call but have not heard back from you.

Thanks

ART ELEK

Fire Prevention Officer

Nogales Ranger District  
303 Old Tucson Road  
Nogales AZ. 85621  
Office: (520) 761-6010  
Cell: (520) 975-7814  
Fax: (520) 281-2396  
e-mail aelek@fs.fed.us

----- Forwarded by Arthur S Elek/R3/USDAFS on 08/25/2010 01:55 PM -----

**Christopher H Stetson/R3/USDAFS** 06/24/2010 11:01 AM

To Arthur S Elek/R3/USDAFS@FSNOTES  
cc  
Subject Re: Fuels & Fire Management **Link**

Hi Art,

I made a few comments and changes to the document. It looks like they were using out of date material related to the LRMP and Fire Management Plan. In some cases, I did not actually delete the information, but commented on why to delete it. Hope this helps.

Chris Stetson  
Fire & Fuels Planning  
Coronado National Forest  
Office: 520-388-8360  
Cell: 520-780-8966

**Arthur S Elek/R3/USDAFS** 06/22/2010 02:38 PM

To Christopher H Stetson/R3/USDAFS@FSNOTES  
cc  
Subject Fuels & Fire Management

Chris,

Attached is a document sent to me from my counterpart at SWCA as part of the Rosemont DEIS. Please review the document making any revisions or changes you may see might be needed. If it looks ok just comment that you have reviewed it and I will forward it to the ID Team.

Thanks

[attachment "Fuel-Fire Section - 61110 - cjb.doc" deleted by Christopher H Stetson/R3/USDAFS]

ART ELEK  
Fire Prevention Officer  
Nogales Ranger District

303 Old Tucson Road  
Nogales AZ. 85621  
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e-mail [aelek@fs.fed.us](mailto:aelek@fs.fed.us)

**From:** [CHRISTOPHER GARRETT](mailto:CHRISTOPHER GARRETT)  
**To:** [aelek@fs.fed.us](mailto:aelek@fs.fed.us)  
**Cc:** [beverson@fs.fed.us](mailto:beverson@fs.fed.us); [Jonathan Rigg](mailto:Jonathan Rigg); [Tom Furgason](mailto:Tom Furgason); [mroth@fs.fed.us](mailto:mroth@fs.fed.us)  
**Subject:** RE: Fuels & Fire Management  
**Date:** 08/26/2010 11:50 AM

---

Hi Art -

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Anyway, just to be clear for everybody:

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- Chris

---

To: lcgarratt77@msn.com  
CC: beverson@fs.fed.us  
Subject: Fw: Fuels & Fire Management  
From: aelek@fs.fed.us  
Date: Wed, 25 Aug 2010 15:03:20 -0600

Chris,

Have you revised the Fuels and Fire Management document as edited by Chris Stetson our Forest Fire & Fuels Planner? I have returned your call but have not heard back from you.

Thanks

ART ELEK  
Fire Prevention Officer  
Nogales Ranger District  
303 Old Tucson Road  
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e-mail aelek@fs.fed.us

----- Forwarded by Arthur S Elek/R3/USDAFS on 08/25/2010 01:55 PM -----

**Christopher H Stetson/R3/USDAFS** 06/24/2010  
11:01 AM

To Arthur S Elek/R3/USDAFS@FSNOTES  
cc  
Subject Re: Fuels & Fire Management [Link](#)

Hi Art,

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Chris Stetson  
Fire & Fuels Planning  
Coronado National Forest  
Office: 520-388-8360  
Cell: 520-780-8966

Arthur S Elek/R3/USDAFS 06/22/2010 02:38 PM

To Christopher H Stetson/R3/USDAFS@FSNOTES  
cc  
Subject Fuels & Fire Management

Chris,  
Attached is a document sent to me from my counterpart at SWCA as part of the Rosemont DEIS. Please review the document making any revisions or changes you may see might be needed. If it looks ok just comment that you have reviewed it and I will forward it to the ID Team.  
Thanks

[attachment "Fuel-Fire Section - 61110 - cjb.doc" deleted by Christopher H Stetson/R3/USDAFS]

ART ELEK  
Fire Prevention Officer  
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303 Old Tucson Road  
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e-mail aelek@fs.fed.us

**"Dale Ortman PE"**  
<daleortmanpe@live.com>

06/29/2010 10:12 AM

To "Debby Kriegel" <dkriegel@fs.fed.us>, "Salek Shafiqullah"  
<sshafiqullah@fs.fed.us>

cc "Beverley A Everson" <beverson@fs.fed.us>, "Tom Furgason"  
<tfurgason@swca.com>, "Melissa Reichard" <mreichard@swca.com>,  
"Jonathan Rigg" <jrigg@swca.com>, "Kathy Arnold"  
<karnold@rosemontcopper.com>, <fsamorano@rosemontcopper.com>,  
"Krizek, David" <David.Krizek@tetrattech.com>, "Marcie Bidwell"  
<mbidwell@swca.com>

Subject FW: Barrel-Only Landform

Debby & Salek,

I have not received a response to the recommendations in the email below. Please provide your input regarding the recommendations so that we may reach an expeditious conclusion to the team's efforts and proceed to a potential alternative for Reta's consideration.

Regards,

Dale

---

Dale Ortman PE PLLC  
Consulting Engineer

(520) 896-2404 - Arizona Office  
(520) 449-7307 - Mobile  
(435) 682-2777 - Utah Office

[daleortmanpe@live.com](mailto:daleortmanpe@live.com)

PO Box 1233  
Oracle, AZ 85623

**From:** Dale Ortman PE [mailto:daleortmanpe@live.com]  
**Sent:** Sunday, June 27, 2010 6:29 PM

**To:** 'Debby Kriegel'; 'Salek Shafiqullah'; 'mbidwell@swca.com'; 'Kathy Arnold'; 'fsamorano@rosemontcopper.com'; 'Krizek, David'  
**Cc:** 'Beverley A Everson'; 'tfurgason@swca.com'; 'Jonathan Rigg'; 'Melissa Reichard'  
**Subject:** Barrel-Only Landform  
**Importance:** High

All,

Attached is the latest landform topography developed by Rosemont for the Barrel-Only landform alternative. This landform has been developed through the joint efforts of the CNF, SWCA, Rosemont, and TetraTech and incorporates the following elements:

- Extension of the Upper Barrel drainage within the landform
- Multiple ridge landforms with differing elevations
- Potential for variable slopes on eastern flanks of the landform
- Potential for reduction in number of drainage control benches on eastern flank of landform
- Improved stormwater discharge control utilizing the extension of the Upper Barrel drainage
- Maintain overall 3:1 slopes with drainage benches on west side of landform to provide required storage capacity and maintain tailings placement operations
- Maintain waste rock perimeter buttress surrounding tailings
- Maintain encapsulation of the heap leach facility

The team has done an excellent job in the collaborative effort to develop this landform concept. I believe we have reached a point in the process where the landform concept should be turned over to Rosemont for final engineering development as the Barrel-Only Alternative for consideration in the DEIS. I recommend that, in addition to the general design objectives listed above, Rosemont develop the following during the final engineering:

- Confirm constructability of the landform
- Summarize the concurrent & final reclamation plan
- General layout of rock sub-drains & flow-through drains
- General stormwater control plan, including commitment to the design criteria currently in the Site Water Management Plan Update

In addition, I propose that we not meet on June 30<sup>th</sup> as currently scheduled but the team review the attached landform and provide any additional design objectives for Rosemont to include in the final engineering. Please get back to me ASAP with comments and any design objectives you believe should be included in the final design.

If you have any questions please email me or try the Utah phone listed below.

Regards,

Dale

---

Dale Ortman PE PLLC  
Consulting Engineer

(520) 896-2404 - Arizona Office

(520) 449-7307 - Mobile

(435) 682-2777 - Utah Office

[daleortmanpe@live.com](mailto:daleortmanpe@live.com)

PO Box 1233

Oracle, AZ 85623

[attachment "Prelim Barrel\_Proposed Survey Area.pdf" deleted by Beverley A  
Everson/R3/USDAFS]

Tom

---

**From:** Lara Mitchell  
**Sent:** Friday, November 06, 2009 1:10 PM  
**To:** abest@westlandresources.com  
**Cc:** Ken Kertell; Tom Furgason  
**Subject:** CNF veg layers file 1

Amanda,

The attached file is the CNF base veg layer, downloadable for the CNF website. I'll send another email with the MidScaleDominanceTypes, they are too large to email together.

-Lara[attachment "Base\_Vegetation\_Location.shx" deleted by Debby Kriegel/R3/USDAFS] [attachment "Base\_Vegetation\_Location.dbf" deleted by Debby Kriegel/R3/USDAFS] [attachment "Base\_Vegetation\_Location.idx" deleted by Debby Kriegel/R3/USDAFS] [attachment "Base\_Vegetation\_Location.prj" deleted by Debby Kriegel/R3/USDAFS] [attachment "Base\_Vegetation\_Location.sbn" deleted by Debby Kriegel/R3/USDAFS] [attachment "Base\_Vegetation\_Location.sbx" deleted by Debby Kriegel/R3/USDAFS] [attachment "Base\_Vegetation\_Location.shp" deleted by Debby Kriegel/R3/USDAFS] [attachment "Base\_Vegetation\_Location.shp.xml" deleted by Debby Kriegel/R3/USDAFS]

**From:** [Debby Kriegel](#)  
**To:** [Beverley A Everson](#); [mrecihard@swca.com](mailto:mrecihard@swca.com)  
**Subject:** Re: Fw: Comments on Tetra Tech's Viewshed Analysis Reports  
**Date:** 04/21/2010 03:24 PM

---

Did my previous 2 letters regarding tech reports get included in the admin record? Both should be posted on WebEx.

▼ Beverley A Everson/R3/USDAFS

**Beverley A  
Everson/R3/USDAFS**

04/21/2010 12:36 PM

To karnold@rosemontcopper.com, mrecihard@swca.com,  
Debby Kriegel/R3/USDAFS@FSNOTES  
cc Melinda D Roth/R3/USDAFS@FSNOTES  
Subject Fw: Comments on Tetra Tech's Viewshed Analysis  
Reports

Kathy,

Please see Debby's comments on the recent viewshed analysis reports, below. Mel, I'm cc'ing to you for the admin record.

Bev

Beverley A. Everson  
Forest Geologist  
Coronado National Forest  
300 W. Congress Street, 6th Floor  
Tucson, AZ. 85701

Voice: 520-388-8428  
Fax: 520-388-8305

----- Forwarded by Beverley A Everson/R3/USDAFS on 04/21/2010 12:23 PM -----

**Debby  
Kriegel/R3/USDAFS**

04/21/2010 11:26 AM

To Beverley A Everson/R3/USDAFS@FSNOTES  
cc  
Subject Comments on Tetra Tech's Viewshed Analysis Reports

I have reviewed the 6 "Viewshed Analysis" reports from March. Please forward my comments to Rosemont. Thank you.

[attachment  
"Review\_Rosemont\_Reports\_Viewshed\_Analysis\_MPO\_and\_Alternatives.doc"  
deleted by Debby Kriegel/R3/USDAFS]

**From:** [Roger D.Congdon](#)  
**To:** [Beverley A Everson](#)  
**Cc:** [Salek Shafiqullah](#)  
**Subject:** Re: Fw: County's scopes for work for watershed and groundwater impacts  
**Date:** 07/17/2009 01:22 PM

---

Bev,

As far as I can tell, there is nothing in the county's proposal that isn't what we should be doing for the EIS. I believe most of what they proposed is already covered. Statements such as "Previous aquifer tests and well construction methods should be included with documentation" (page 3) are true, but this kind of information is generally included by reference, and is (or should be) available to the public.

I am not sure the incorporation of HEC-HMS would be highly useful, as this is a lumped parameter model; though it couldn't hurt if it served to mollify the good folks of Pima County. It shouldn't be too hard to set up given all of the great data that is or will be available . . . and HEC-HMS is free, after all. It's up to you guys. HEC-HMS covers surface effects only. Groundwater is not generally involved. This has usually been done with HEC-1, which includes somewhat more detailed location and parameter input for the watershed. HEC-RAS, which is suggested by the county is just a conduit flow model; you put water in at the top and see how far it rises in the channel at the bottom. I don't think it even has an infiltration capability, unless the latest models have been improved. The bottom line here is that the 100 year discharge values should be calculated. Maybe the 200 year values as well. However, the 500 year values are entirely fictional, as there is no way to be certain just what a 500 year event is (let alone a 200 year event). Adding this information, if it isn't already called for, would not be too difficult.

So, just in case we did not already have the watershed discharge worked into the Statement of Work, that analysis should be done. It **will** come up if not included in the EIS.

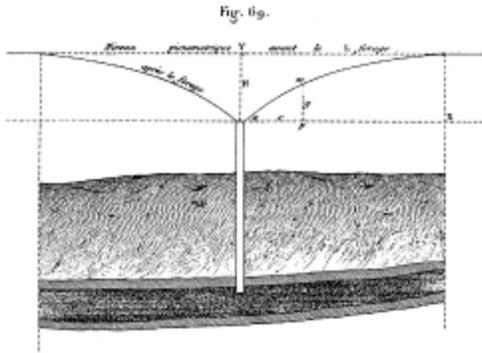
I get the impression that the County doesn't trust the consultants, who are paid by the mine; but this is a very common occurrence. We are there to keep them honest and to remind them constantly of who they are **really** working for. Somehow, we just need to win their trust and to convince them that we are impartial (we **are** impartial, right?).

Salek tells me that SWCA intends to cut the budget and do only what is minimally necessary in order to produce the EIS. I would recommend caution with this approach, especially considering just how many folks there are who are opposed to the project.

How is the East side model coming along? I would hope they would let us see it before it is a completely finished product. I would like to see a detailed conceptual model. I have been looking at the West side model, and will have some comments soon.

Keep up the good work.

Roger



Roger D. Congdon, PhD  
Hydrogeologist  
USDA Forest Service  
333 Broadway Blvd SE  
Albuquerque, NM 87102  
Phone: (505)842-3835  
FAX: (505)842-3142

▼ Beverley A Everson/R3/USDAFS

**Beverley A  
Everson/R3/USDAFS**

07/09/2009 04:51 PM

To Salek Shafiqullah/R3/USDAFS@FSNOTES, Roger D  
Congdon/R3/USDAFS@FSNOTES

cc

Subject Fw: County's scopes for work for watershed and  
groundwater impacts

Sal and Roger,

Could you please look at what the county is requesting for hydrologic  
and geohydrologic studies (below), and tell me what you feel  
Montgomery has already covered?

I would really appreciate a response by mid to late next week.

Thanks.

Bev

Beverley A. Everson  
Forest Geologist  
Coronado National Forest  
300 W. Congress Street, 6th Floor  
Tucson, AZ. 85701

Voice: 520-388-8428  
Fax: 520-388-8305

----- Forwarded by Beverley A Everson/R3/USDAFS on 07/09/2009 03:47 PM -----

**Teresa Ann  
Ciapusci/R3/USDAFS**

07/08/2009 01:32 PM

To Beverley A Everson/R3/USDAFS@FSNOTES

cc

Subject Fw: County's scopes for work for watershed and

groundwater impacts

Bev -

Have you had time yet to look into an answer for Julia's inquiry below?

Teresa Ann Ciapusci  
Staff Officer  
Ecosystem Management and Planning  
Coronado National Forest  
300 West Congress, FB42  
Tucson, Arizona 85701  
(520) 388-8350 office  
(520) 237-0879 cellular  
(520) 388-8305 fax

----- Forwarded by Teresa Ann Ciapusci/R3/USDAFS on 07/08/2009 01:31 PM -----

**"Julia Fonseca"**

**<Julia.Fonseca@rfcd.pima.gov>**

To "Teresa Ann Ciapusci"  
<tciapusci@fs.fed.us>

cc "Nicole Fyffe" <Nicole.Fyffe@pima.gov>

06/23/2009 03:52 PM

Subject County's scopes for work for watershed and  
groundwater impacts

In 2008, as part of the scoping process, Pima County requested the Forest Service to have the company conduct two specific studies, and provided detailed instructions as to the scope of the studies. The study plans are attached. One study is for impacts to watershed functions, and other relates to groundwater impacts near the wellfield.

Could your staff help us ascertain how much of what we requested is actually being investigated?

Julia Fonseca, Environmental Planning Manager  
Pima County Office of Conservation Science and Environmental Policy

NEW ADDRESS:  
201 N. Stone Ave. 6th floor  
Tucson, AZ 85701  
(520) 740-6460  
FAX (520) 243-1610  
Julia.Fonseca@pima.gov

<http://www.pima.gov/cmo/sdcp/>  
[attachment "attachment 10 SOWs.pdf" deleted by Roger D Congdon/R3/USDAFS]

**From:** [Debby Kriegel](#)  
**To:** [Beverley A Everson](#); [Melinda D Roth](#)  
**Subject:** Re: Fw: For USFS direction: RCC Viewshed analysis  
**Date:** 02/11/2010 01:56 PM

---

The short answer is no. We cc'd you just so you'd be aware that there were some multi-party discussions regarding simulations.

You might also want to be aware that Marcie can't begin her work on simulations yet because

- The MPO still needs a stormwater management plan (otherwise Marcie doesn't know whether to simulate ridge & valley, benches, or otherwise).
- Topo for the phased tailings alternative still hasn't been transmitted to Marcie.
- The other alternatives are still in flux (especially Scholefield), need stormwater plans, and/or may change due to Golder & Horst's work.
- Once we have the info from Rosemont's team, Golder, and Horst, there will need to be cross-check discussions between Rosemont, Tetra Tech, and SWCA regarding many of the items below.

Marcie and I spoke today, and she will provide clarification on what information is still needed. As information is provided and questions are resolved, she's ready to go.

It would be nice to have some simulations in the DEIS, but there is still a whopping amount of work before we're there.

Thanks.

▼ [Beverley A Everson/R3/USDAFS](#)

**Beverley A  
Everson/R3/USDAFS**

To: Debby Kriegel/R3/USDAFS@FSNOTES  
cc

02/11/2010 12:06 PM

Subject: Fw: For USFS direction: RCC Viewshed analysis

Debby,

I'm not following this discussion. Is there anything that you need for Mindee or me to do?

Thanks.

Bev

Beverley A. Everson  
Forest Geologist

Coronado National Forest  
300 W. Congress Street, 6th Floor  
Tucson, AZ. 85701

Voice: 520-388-8428  
Fax: 520-388-8305

----- Forwarded by Beverley A Everson/R3/USDAFS on 02/11/2010 12:05 PM -----

**Kathy Arnold**  
<karnold@rosemontcopper.com>

02/10/2010 08:14 AM

To Debby Kriegel <dkriegel@fs.fed.us>  
cc David Krizek  
<david.krizek@tetrattech.com>, Marcie  
Bidwell <mbidwell@swca.com>, Tom  
Furgason <tfurgason@swca.com>, Trent  
Reeder <treeder@swca.com>, Beverley  
Everson <beverson@fs.fed.us>, Mindee  
Roth <mroth@fs.fed.us>  
Subject Re: For USFS direction: RCC Viewshed  
analysis

Debby -

I don't want to overstate, but I also don't want to minimize the potential for needing to review the site conditions. Let's see what Golder says – if they say something like: “this material requires no special whatever regardless of terrain” we're good. If it says something like “in this location.....” we may need to look at it a little more closely. It could probably help (although I don't know their workload) or maybe someone like Dale who is a geotech kind of guy. Let's hope for the clarifying statements.

Cheers!

Kathy

**Katherine Ann Arnold, P.E.** | Director of Environmental and Regulatory Affairs  
Cell: 520.784.1972 | Main: 520.297.7723 | Fax 520.297.7724  
[karnold@rosemontcopper.com](mailto:karnold@rosemontcopper.com)



**Rosemont Copper Company**

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3031 West Ina Road | Tucson, AZ 85741 | [www.rosemontcopper.com](http://www.rosemontcopper.com)

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---

**From:** Debby Kriegel <[dkriegel@fs.fed.us](mailto:dkriegel@fs.fed.us)>

**Date:** Wed, 10 Feb 2010 09:04:17 -0600

**To:** Katherine Arnold <[karnold@rosemontcopper.com](mailto:karnold@rosemontcopper.com)>

**Cc:** David Krizek <[david.krizek@tetrattech.com](mailto:david.krizek@tetrattech.com)>, Marcie Bidwell <[mbidwell@swca.com](mailto:mbidwell@swca.com)>, Tom Furgason <[tfurgason@swca.com](mailto:tfurgason@swca.com)>, Trent Reeder <[treeder@swca.com](mailto:treeder@swca.com)>, Debby Kriegel <[dkriegel@fs.fed.us](mailto:dkriegel@fs.fed.us)>, Beverley Everson <[beverson@fs.fed.us](mailto:beverson@fs.fed.us)>, Mindee Roth <[mroth@fs.fed.us](mailto:mroth@fs.fed.us)>

**Subject:** Re: For USFS direction: RCC Viewshed analysis

Hmmm. Sounds like there is a need to confirm what is possible for each alternative. Is this something that Tetra Tech can help with? Could they start with Golder's report next week? Alternatives like the McCleary/Scholefield ("perched on the top of a hill") might need very different treatment, huh?!

**Kathy Arnold** <[karnold@rosemontcopper.com](mailto:karnold@rosemontcopper.com)> 02/10/2010 07:44 AM

To

Debby Kriegel <[dkriegel@fs.fed.us](mailto:dkriegel@fs.fed.us)>, Marcie Bidwell <[mbidwell@swca.com](mailto:mbidwell@swca.com)>

cc

David Krizek <[david.krizek@tetrattech.com](mailto:david.krizek@tetrattech.com)>, Tom Furgason <[tfurgason@swca.com](mailto:tfurgason@swca.com)>, Trent Reeder <[treeder@swca.com](mailto:treeder@swca.com)>

Subject

Re: For USFS direction: RCC Viewshed analysis

Debby -

I agree with everything that you are saying (in concept) my concern is that Horst and Golder's work is being developed on a landform in a drainage – supported on several sides by the natural ground and not a free-form structure perched on the top of a hill or a drainage. That affects the stability and the stormwater management requirements. I do not think that you can evenly apply ALL grading on all shapes – it will give an indication yes, but needs to be judiciously applied. I

am hoping that you get the disclaimers from Golder and Horst as to the applicability of applying their design techniques to other drainages or other locations – possibilities aren't necessarily reality.

Cheers!

Kathy

**Katherine Ann Arnold, P.E.** | Director of Environmental and Regulatory Affairs

Cell: 520.784.1972 | Main: 520.297.7723 | Fax 520.297.7724

[karnold@rosemontcopper.com](mailto:karnold@rosemontcopper.com) <[karnold@rosemontcopper.com](mailto:karnold@rosemontcopper.com)>



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---

**From:** Debby Kriegel <[dkriegel@fs.fed.us](mailto:dkriegel@fs.fed.us) <[dkriegel@fs.fed.us](mailto:dkriegel@fs.fed.us)> >

**Date:** Wed, 10 Feb 2010 08:34:47 -0600

**To:** Marcie Bidwell <[mbidwell@swca.com](mailto:mbidwell@swca.com) <[mbidwell@swca.com](mailto:mbidwell@swca.com)> >

**Cc:** David Krizek <[david.krizek@tetrattech.com](mailto:david.krizek@tetrattech.com) <[david.krizek@tetrattech.com](mailto:david.krizek@tetrattech.com)> >, Katherine Arnold

<[karnold@rosemontcopper.com](mailto:karnold@rosemontcopper.com) <[karnold@rosemontcopper.com](mailto:karnold@rosemontcopper.com)> >, Tom

Furgason <[tfurgason@swca.com](mailto:tfurgason@swca.com) <[tfurgason@swca.com](mailto:tfurgason@swca.com)> >, Trent Reeder

<[treeder@swca.com](mailto:treeder@swca.com) <[treeder@swca.com](mailto:treeder@swca.com)> >, Debby Kriegel

<[dkriegel@fs.fed.us](mailto:dkriegel@fs.fed.us) <[dkriegel@fs.fed.us](mailto:dkriegel@fs.fed.us)> >

**Subject:** Re: For USFS direction: RCC Viewshed analysis

Simulations created for visual resource analysis and the EIS must be honest and accurate depictions of what the alternative would look like. They need to include stormwater management features, such as benches, if these features would be required. It is not appropriate to simulate 3:1 smooth top-to-bottom slopes if benches will be necessary (I'm assuming that this is what you're calling "angular grading" from Tetra Tech).

Golder's work will be complete on Monday, and the results may indicate that fewer

benches are required. Horst Schor's work is expected to create more natural forms to deal with stormwater. Both of these would lessen effects to visual quality and should be incorporated as much as possible into alternatives and resulting simulations.

The exception would be the MPO, which doesn't have a stormwater grading plan. I recommend printing a disclaimer statement regarding this on the MPO simulations.

Thanks.

Debby Kriegel

"**Marcie Bidwell**" <[mbidwell@swca.com](mailto:mbidwell@swca.com) <[mbidwell@swca.com](mailto:mbidwell@swca.com)> > 02/09/2010

02:36 PM

To

"Krizek, David" <[David.Krizek@tetrattech.com](mailto:David.Krizek@tetrattech.com) <[David.Krizek@tetrattech.com](mailto:David.Krizek@tetrattech.com)> > ,

"Debby Kriegel" <[dkriegel@fs.fed.us](mailto:dkriegel@fs.fed.us) <[dkriegel@fs.fed.us](mailto:dkriegel@fs.fed.us)> > , "Tom Furgason"

<[tfurgason@swca.com](mailto:tfurgason@swca.com) <[tfurgason@swca.com](mailto:tfurgason@swca.com)> > , "Kathy Arnold"

<[karnold@rosemontcopper.com](mailto:karnold@rosemontcopper.com) <[karnold@rosemontcopper.com](mailto:karnold@rosemontcopper.com)> > , "Trent

Reeder" <[treeder@swca.com](mailto:treeder@swca.com) <[treeder@swca.com](mailto:treeder@swca.com)> >

cc

Subject

For USFS direction: RCC Viewshed analysis

Hello Debby and Kathy,

I wanted to check in with you for direction to SWCA and Tetra Tech regarding what level of engineering resolution that we should all use in visual analysis and supporting efforts.

Please see David's message below and use the two attachments to place the questions in reference.

1. David has sent a pdf map of the Barrel only alternative that shows the angular grading of the "raw process."
2. I have attached a GIS view of the MPO with the benches etc, rather than smoothing, i.e. the "Raw process."

Due to the level of engineering development of the alternatives, David is proposing that both companies work from the raw version of the

alternatives.

It is my understanding that working from the "raw" images would provide the "typical stormwater and benching" design that the Visual Coordination Meeting directed us to use (see KOP 12 attached).

**Debby**, Please confirm that we should all be working on the "raw" data that shows benching, to create a fair comparison.

**David**, I am still waiting for response to the questions that I submitted to Tt on Feb. 2 regarding the presentation of the MPO; I think my questions overlap with yours.

---

**From Marcie to SWCA, Tt, and USFS on 2/2/2010: RE: Visualization Coordination Follow Up and Minutes.**

**MPO- Specific Questions-**

1. Please confirm **which presentation of the MPO grading** we should use for **visualizations at Y10** is as presented in **Figure 9** of the Reclamation and Closure Plan (RCP).
2. Please confirm **which presentation of the MPO grading** we should use for **visualizations at Y20-** should the MPO be shown as **Figure 11 or Figure 12** of the RCP.
3. Please indicate what the **geodatabase layer name** is that will have the **"composite of yearly reclamation areas"** in the data provided by Tt.
4. SWCA understands that the MPO should show benches as the following: waste rock, as 100 ft running slopes for each bench and approximately 100 ft wide road/bench surface; and tailings as 50 ft benches and running surface; the attached KOP 12 image shows the output from the MPO with benches as submitted. **Please confirm if this is what we should use for final grading.**

---

**From:** Krizek, David  
[<mailto:David.Krizek@tetrattech.com> <<mailto:David.Krizek@tetrattech.com>> ]  
**Sent:** Tuesday, February 09, 2010 11:59 AM  
**To:** Marcie Bidwell  
**Cc:** Keepers, Ashley; Carrasco, Joel  
**Subject:** RCC Viewshed analysis

Marcie,

This e-mail is being sent just to clarify the shapes we are using for our viewshed analysis.

Depending on the alternative, the various alternatives have been developed to three different stages. These stages are:

- 1. Raw Stage
- 2. Smoothed Stage
- 3. Advanced Stage

For the ultimate footprint, the following stages have been done:

- 1. Barrel and McCleary Alternative raw stage advanced design
- 2. MPO raw stage smoothed shape
- 3. Barrel Only Alternative raw stage
- 4. Sycamore Tailings and Barrel Waste Alternative raw stage
- 5. Scholefield Tailings and McCleary Waste Alternative raw stage

For the Year 10 footprint, the following stages have been done:

- 1. Barrel and McCleary Alternative raw stage
- 2. MPO raw stage
- 3. Barrel Only Alternative raw stage
- 4. Sycamore Tailings and Barrel Waste Alternative raw stage
- 5. Scholefield Tailings and McCleary Waste Alternative raw stage

For the viewshed analysis, we are just planning on using the raw stage for all (Barrel Only Alternative attached for example). The raw stage is the angular version used to determine volumes, etc. Otherwise it won't be an equal analysis.

Is this what you were anticipating?

Sincerely,

**David Krizek | Principal**  
 Main: 520-297-7723 | Mobile: 520-260-3490 | Fax: 520-297-7724  
 Tetra Tech  
 3031 West Ina Road | Tucson, AZ 85741 |  
[www.tetrattech.com](http://www.tetrattech.com) <<http://www.tetrattech.com/>> <<http://www.tetrattech.com/>>

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**From:** [Beverley A Everson](#)  
**To:** [karnold@augustaresource.com](mailto:karnold@augustaresource.com)  
**Subject:** Re: FW: Layne Pump Rig  
**Date:** 05/13/2008 05:27 PM

---

Hi Kathy,

I assume the rig you're talking about is the pump service rig that is labeled as such in the descriptions; is that correct? How does this rig compare in size to the drill rig?

Will the drill rig and the pump truck be on the site at that same time?

Bev

Beverley A. Everson  
Forest Geologist  
Coronado National Forest  
300 W. Congress Street, 6th Floor  
Tucson, AZ. 85701

Voice: 520-388-8428  
Fax: 520-388-8305

▼ [Kathy Arnold <karnold@augustaresource.com>](mailto:karnold@augustaresource.com)

**Kathy Arnold**  
**<karnold@augustaresource.com>**

To 'Beverley A Everson'  
<beverson@fs.fed.us>

cc

05/13/2008 04:47 PM

Please respond to  
[karnold@augustaresource.com](mailto:karnold@augustaresource.com)

Subject FW: Layne Pump Rig

Bev -

Just got this from Jim Davis at Montgomery. It appears that they would like to use the pump truck rather than the drill rig to install the pumps at the wells that will be monitored. Do you have a problem with this equipment substitution? A picture of the truck is in the attached file (after the first few safety acknowledgement pages).

Thank you -  
Kathy

Kathy Arnold | Director of Environmental and Regulatory Affairs  
Cell: 520.784.1972 | Main: 520.297.7723 | Fax 520.297.7724  
[karnold@augustaresource.com](mailto:karnold@augustaresource.com)

Rosemont Copper Company  
P.O. Box 35130 | Tucson, AZ 85740-5130  
3031 West Ina Road | Tucson, AZ 85741 | [www.rosemontcopper.com](http://www.rosemontcopper.com)

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recipient, please notify the sender by replying to this message and then delete it from your system.

-----Original Message-----

From: Jim Davis [mailto:jdavis@elmontgomery.com]  
Sent: Tuesday, May 13, 2008 4:34 PM  
To: karnold@augustaresource.com  
Cc: LOIS AND DENNIS FISCHER  
Subject: Layne Pump Rig

Kathy,

Layne is planning to conduct well development at the Rosemont wells with a smaller pump rig rather than using the drilling rig. Attached is information about the pump rig so you can let Bev Everson know. If this is a problem, please let me know.

Layne would also be using this rig to install pumping test equipment at the wells, if they are the one selected for that. Right now, I'm trying to get a price quote from Layne for installation and operation of the test pumps. Otherwise, we'll planning to use Verdad for the pumping test work.

Jim

-----Original Message-----

From: RNShrum@laynechristensen.com [mailto:RNShrum@laynechristensen.com]  
Sent: Tuesday, May 13, 2008 3:08 PM  
To: Jim Davis  
Cc: jstephens@laynechristensen.com  
Subject: Fw: Message from KMBT\_750

Equipment and sign off sheets for pump rig

Robert Shrum  
Layne Christensen Co.  
12030 E. Riggs Road  
Chandler, AZ 85249  
Ph: 480-895-9336  
Fx: 480-895-8699

Office Locations: Colorado 303/755-1218  
Nevada 702/ 221-9717, Utah 801/ 972-3333, Southern California 909/  
390-2833 Northern California 530/ 622-2825

(See attached file: SKMBT\_75008051313570.pdf)

[attachment "SKMBT\_75008051313570.pdf" deleted by Beverley A  
Everson/R3/USDAFS]

**From:** [Melinda D Roth](#)  
**To:** [Beverley A Everson](#)  
**Subject:** Re: FW: Proposal and Cost Estimate for Attending M+A GW Meeting, June 22, 2010  
**Date:** 06/16/2010 07:56 AM

---

Very good follow up Bev. Thanks.

Mindee Roth  
Coronado National Forest  
300 W. Congress, FB42  
Tucson, AZ 85701  
(520) 388-8319  
(520) 396-0715 (cell)  
(520) 388-8305 (FAX)

▼ [Beverley A Everson/R3/USDAFS](#)

**Beverley A  
Everson/R3/USDAFS**

To "Tom Furgason" <tfurgason@swca.com>  
cc mroth@fs.fed.us, "Reta Laford" <rlafor@fs.fed.us>  
06/15/2010 05:42 PM Subject Re: FW: Proposal and Cost Estimate for Attending  
M+A GW Meeting, June 22, 2010 

Tom,

I see your point with the cost. Thanks for providing this example.

I'm wondering if there is a way to make the work that SRK is doing more efficient and less costly. For example, is it necessary that five specialists be involved in this project and review? How does this compare to involvement with Montgomery specialists? (ie., how many of their consultants will be involved in the meeting?) Seeing that there is usually just one or two FS specialists working on groundwater, the SRK side seems a little heavy.

I am not challenging the SOW, and will ask Salek for his review of the SOW tonight (following this email), and expect to tell you that it is acceptable. This seems, however, like an opportunity to see if there is some streamlining that can be done with the subcontractor work.

This SOW may also be an example of an area where it would be less costly to have an in-house specialist or specialists,

Bev

Beverley A. Everson  
Forest Geologist

Coronado National Forest  
300 W. Congress Street, 6th Floor  
Tucson, AZ. 85701

Voice: 520-388-8428  
Fax: 520-388-8305

"Tom Furgason"  
<tfurgason@swca.com>

06/15/2010 03:29 PM

To "Beverley Everson" <beverson@fs.fed.us>, <mroth@fs.fed.us>

cc "Reta Lafort" <rlafort@fs.fed.us>

Subject FW: Proposal and Cost Estimate for Attending M+A GW Meeting,  
June 22, 2010

Bev,

Attached is a simple SOW for SRK to attend a one-day meeting on Ground Water scheduled for June 22. Can you please let me know if it is acceptable to you?

As a point of reference, I left in the cost breakdown for your review. You will see that it doesn't take SRK long to spend \$10,000.

Tom

**From:** Stone, Claudia [mailto:cstone@srk.com]  
**Sent:** Tuesday, June 15, 2010 10:27 AM  
**To:** Tom Furgason  
**Cc:** Dale Ortman PE; Hoag, Cori  
**Subject:** Proposal and Cost Estimate for Attending M+A GW Meeting, June 22, 2010

Good morning, Tom:

Attached is a brief proposal requesting additional funding for our team members to attend a presentation by Montgomery & Associates on the current status of the numerical groundwater model. If you have questions, please do not hesitate to call. If everything is in order, I will look forward to

receiving a Change Order for this additional task.

Best regards,

Claudia [attachment

"GW\_Model\_Meeting\_CostEstProposal\_183101\_cs\_20100615\_FNL.pdf"  
deleted by Melinda D Roth/R3/USDAFS]

**From:** [Charles A Blair](#)  
**To:** [Beverley A Everson](#)  
**Subject:** Re: Fw: Review Comments for Rosemont Landform Report  
**Date:** 05/10/2010 10:59 AM

---

Mindy and Saleq mentioned that there was a reclamation meeting sometime in the near future. I'll be there. Sorry for getting back to you so late. I was sick most of last week and just got back to the office today.

Thanks,

Chuck

▼ [Beverley A Everson/R3/USDAFS](#)

**Beverley A  
Everson/R3/USDAFS**

05/05/2010 02:23 PM

To Debby Kriegel/R3/USDAFS@FSNOTES, Charles A  
Blair/R3/USDAFS@FSNOTES, Salek  
Shafiqullah/R3/USDAFS@FSNOTES

cc

Subject Fw: Review Comments for Rosemont Landform Report

Do you feel that your comments were considered, and included were needed?

Also, Chuck, are you aware of the May 17 reclamation meeting? I'd like for you to attend if you can.

Beverley A. Everson  
Forest Geologist  
Coronado National Forest  
300 W. Congress Street, 6th Floor  
Tucson, AZ. 85701

Voice: 520-388-8428  
Fax: 520-388-8305

----- Forwarded by Beverley A Everson/R3/USDAFS on 05/05/2010 02:21 PM -----

**"Dale Ortman PE"**  
<[daleortmanpe@live.com](mailto:daleortmanpe@live.com)>

05/02/2010 12:19 PM

To ""Beverley A Everson"" <[beverson@fs.fed.us](mailto:beverson@fs.fed.us)>, "Melinda D Roth" <[mroth@fs.fed.us](mailto:mroth@fs.fed.us)>, "Debby Kriegel" <[dkriegel@fs.fed.us](mailto:dkriegel@fs.fed.us)>, "Salek Shafiqullah - USFS" <[sshafiqullah@fs.fed.us](mailto:sshafiqullah@fs.fed.us)>, "Tom Furgason" <[tfurgason@swca.com](mailto:tfurgason@swca.com)>, "Jonathan Rigg" <[jrigg@swca.com](mailto:jrigg@swca.com)>, "Melissa Reichard" <[mreichard@swca.com](mailto:mreichard@swca.com)>, "Marcie Bidwell" <[mbidwell@swca.com](mailto:mbidwell@swca.com)>

cc

Subject Review Comments for Rosemont Landform Report

All,

Attached is a memorandum containing a compilation of the pertinent review comments regarding the landform report. Not all comments received are included in the memorandum as those that altered Horst's professional opinion, modified the constraints imposed by Rosemont, or did not substantively add to the understanding of the report were omitted.

I will be forwarding the comments to Horst on Tuesday, therefore if you have any questions regarding the comments please contact me.

Regards,

Dale

---

Dale Ortman PE PLLC  
Consulting Engineer

(520) 896-2404 - Arizona Office  
(520) 449-7307 - Mobile  
(435) 682-2777 - Utah Office

[daleortmanpe@live.com](mailto:daleortmanpe@live.com)

PO Box 1233  
Oracle, AZ 85623

[attachment "20100502\_ortman\_schor\_draft-landform-rpt-review-comments\_memo.pdf"  
deleted by Beverley A Everson/R3/USDAFS]

**From:** [Debby Kriegel](#)  
**To:** [Beverley A Everson](#)  
**Subject:** Re: Fw: Review Comments for Rosemont Landform Report  
**Date:** 05/07/2010 03:14 PM

---

Most of my comments were incorporated, but not all. I'm trusting that Dale knows what he's doing.

▼ Beverley A Everson/R3/USDAFS

**Beverley A  
Everson/R3/USDAFS**

05/05/2010 02:23 PM

To Debby Kriegel/R3/USDAFS@FSNOTES, Charles A  
Blair/R3/USDAFS@FSNOTES, Salek  
Shafiqullah/R3/USDAFS@FSNOTES

cc

Subject Fw: Review Comments for Rosemont Landform Report

Do you feel that your comments were considered, and included were needed?

Also, Chuck, are you aware of the May 17 reclamation meeting? I'd like for you to attend if you can.

Beverley A. Everson  
Forest Geologist  
Coronado National Forest  
300 W. Congress Street, 6th Floor  
Tucson, AZ. 85701

Voice: 520-388-8428  
Fax: 520-388-8305

----- Forwarded by Beverley A Everson/R3/USDAFS on 05/05/2010 02:21 PM -----

**"Dale Ortman PE"**  
**<daleortmanpe@live.com>**

05/02/2010 12:19 PM

To "Beverley A Everson" <beverson@fs.fed.us>, "Melinda D Roth" <mroth@fs.fed.us>, "Debby Kriegel" <dkriegel@fs.fed.us>, "Salek Shafiqullah - USFS" <sshafiqullah@fs.fed.us>, "Tom Furgason" <tfurgason@swca.com>, "Jonathan Rigg" <jrigg@swca.com>, "Melissa Reichard" <mreichard@swca.com>, "Marcie Bidwell" <mbidwell@swca.com>

cc

Subject Review Comments for Rosemont Landform Report

All,

Attached is a memorandum containing a compilation of the pertinent review comments regarding the landform report. Not all comments received are included in the memorandum as those that altered Horst's professional opinion, modified the constraints imposed by Rosemont, or did not substantively add to the understanding of the report were omitted.

I will be forwarding the comments to Horst on Tuesday, therefore if you have any questions regarding the comments please contact me.

Regards,

Dale

---

Dale Ortman PE PLLC  
Consulting Engineer

(520) 896-2404 - Arizona Office  
(520) 449-7307 - Mobile  
(435) 682-2777 - Utah Office

[daleortmanpe@live.com](mailto:daleortmanpe@live.com)

PO Box 1233  
Oracle, AZ 85623

[attachment "20100502\_ortman\_schor\_draft-landform-rpt-review-comments\_memo.pdf"  
deleted by Beverley A Everson/R3/USDAFS]

**From:** [Duane A Bennett](#)  
**To:** [Melinda D Roth](#)  
**Cc:** [Beverley A Everson](#); [Celeste A Gordon](#); [George McKay](#); [Kent C Ellett](#); [Tami Emmett](#); [Teresa Ann Ciapusci](#)  
**Subject:** Re: Fw: Rosemont 138kV Transmission Line Project - Alternative Route Materials For Stakeholder Group Meeting #4  
**Date:** 03/30/2010 09:14 AM

---

I'll hold my breath! Thanks.

Duane A. Bennett  
Zone Lands & Special Uses Staff  
Coronado National Forest  
5990 S. Hwy. 92, Hereford, AZ 85615  
Phone: (520) 803-2838  
Fax: (520) 378-0519  
E-mail: [dabennett@fs.fed.us](mailto:dabennett@fs.fed.us)  
▼ [Melinda D Roth/R3/USDAFS](#)

**Melinda D  
Roth/R3/USDAFS**

03/30/2010 08:12 AM

To Duane A Bennett/R3/USDAFS@FSNOTES  
cc Beverley A Everson/R3/USDAFS@FSNOTES, Celeste A Gordon/R3/USDAFS@FSNOTES, George McKay/R3/USDAFS@FSNOTES, Kent C Ellett/R3/USDAFS@FSNOTES, Tami Emmett/R3/USDAFS@FSNOTES, Teresa Ann Ciapusci/R3/USDAFS@FSNOTES  
Subject Re: Fw: Rosemont 138kV Transmission Line Project - Alternative Route Materials For Stakeholder Group Meeting #4 

What I understand is TEP would own and maintain the line if the line also served other customers - like backup power to Ft. Huachuca. Rosemont would own the line if it only serves them. So who the permittee is will depend on which route is selected.

Mindee Roth  
Coronado National Forest  
300 W. Congress, FB42  
Tucson, AZ 85701  
(520) 388-8319  
(520) 396-0715 (cell)  
(520) 388-8305 (FAX)

▼ [Duane A Bennett/R3/USDAFS](#)

**Duane A  
Bennett/R3/USDAFS**

03/30/2010 08:05 AM

To Beverley A Everson/R3/USDAFS@FSNOTES  
cc Celeste A Gordon/R3/USDAFS@FSNOTES, George McKay/R3/USDAFS@FSNOTES, Kent C Ellett/R3/USDAFS@FSNOTES, Melinda D

Roth/R3/USDAFS@FSNOTES, Tami  
Emmett/R3/USDAFS@FSNOTES, Teresa Ann  
Ciapusci/R3/USDAFS@FSNOTES

Subject Re: Fw: Rosemont 138kV Transmission Line Project -  
Alternative Route Materials For Stakeholder Group  
Meeting #4 

Usually, the proponent pays for the construction of the line, but the line normally goes on TEP's permit. That's not always the case though, such as in the case of Red Mtn & Verizon where Verizon built it but the power company refuses to take ownership of it.

Duane A. Bennett  
Zone Lands & Special Uses Staff  
Coronado National Forest  
5990 S. Hwy. 92, Hereford, AZ 85615  
Phone: (520) 803-2838  
Fax: (520) 378-0519  
E-mail: dabennett@fs.fed.us  
▼ [Beverley A Everson/R3/USDAFS](#)

**Beverley A  
Everson/R3/USDAFS**

03/29/2010 09:59 AM

To Celeste A Gordon/R3/USDAFS@FSNOTES, Melinda D  
Roth/R3/USDAFS@FSNOTES, Teresa Ann  
Ciapusci/R3/USDAFS@FSNOTES, Kent C  
Ellett/R3/USDAFS@FSNOTES

cc Duane A Bennett/R3/USDAFS@FSNOTES, George  
McKay/R3/USDAFS@FSNOTES, Tami  
Emmett/R3/USDAFS@FSNOTES

Subject Re: Fw: Rosemont 138kV Transmission Line Project -  
Alternative Route Materials For Stakeholder Group  
Meeting #4 

Good question. The line belongs to TEP and they will be responsible for maintenance, but I assume Rosemont will need a special use permit for the areas where the line crosses the Forest.

Beverley A. Everson  
Forest Geologist  
Coronado National Forest  
300 W. Congress Street, 6th Floor  
Tucson, AZ. 85701

Voice: 520-388-8428  
Fax: 520-388-8305

▼ [Celeste A Gordon/R3/USDAFS](#)

**Celeste A  
Gordon/R3/USDAFS**

03/29/2010 09:05 AM

To George McKay/R3/USDAFS@FSNOTES  
cc Beverley A Everson/R3/USDAFS@FSNOTES, Duane A Bennett/R3/USDAFS@FSNOTES, Tami Emmett/R3/USDAFS@FSNOTES  
Subject Re: Fw: Rosemont 138kV Transmission Line Project - Alternative Route Materials For Stakeholder Group Meeting #4 

Thanks George,

Do you or Bev know if this ever got resolved as to who would be responsible for the line once built? Will it be an amendment to the Tucson Electric Power permit, will it be a new permit under Rosemont Mining Co. name, or someone else??....Thks cg

---

Celeste Gordon  
Coronado National Forest  
Recreation/Special Uses Program Manager  
300 W. Congress, Tucson AZ 85701  
(520) 388-8422 Fax (520) 388-8305  
email: cgordon@fs.fed.us

---

▼ George McKay/R3/USDAFS

**George  
McKay/R3/USDAFS**

03/27/2010 07:38 AM

To Celeste A Gordon/R3/USDAFS@FSNOTES, Duane A Bennett/R3/USDAFS@FSNOTES, Tami Emmett/R3/USDAFS@FSNOTES  
cc Beverley A Everson/R3/USDAFS@FSNOTES  
Subject Fw: Rosemont 138kV Transmission Line Project - Alternative Route Materials For Stakeholder Group Meeting #4

Celeste and Duane, I noticed neither of you where in the loop for this and thought it was important you where. Bev, I would suggest you add Celeste and Duane to your mailing list for the transmission line. If a decision is made to permit the line, special uses would be responsible for the permit process . I also noticed Tami was not on your mailing list and would suggest adding her also.

----- Forwarded by George McKay/R3/USDAFS on 03/27/2010 07:25 AM -----

**Beverley A  
Everson/R3/USDAFS**

03/26/2010 01:00 PM

To abelauskas@fs.fed.us, aelek@fs.fed.us, cablair@fs.fed.us, ccleblanc@fs.fed.us, dkriegel@fs.fed.us, dsebesta@fs.fed.us, ecuriel@fs.fed.us, gmckay@fs.fed.us, hschewel@fs.fed.us, Kendall Brown/R3/USDAFS@FSNOTES, ljones02@fs.fed.us,

mfarrell@fs.fed.us, mreichard@swca.com,  
rlaford@fs.fed.us, rlefevre@fs.fed.us,  
seanlockwood@fs.fed.us, sldavis@fs.fed.us,  
sshafiqullah@fs.fed.us, temmett@fs.fed.us,  
tfurgason@swca.com, Walter  
Keyes/R3/USDAFS@FSNOTES, wgillespie@fs.fed.us

cc

Subject Fw: Rosemont 138kV Transmission Line Project -  
Alternative Route Materials For Stakeholder Group  
Meeting #4

FYI, on powerline routes.

Beverley A. Everson  
Forest Geologist  
Coronado National Forest  
300 W. Congress Street, 6th Floor  
Tucson, AZ. 85701

Voice: 520-388-8428

Fax: 520-388-8305

----- Forwarded by Teresa Ann Ciapusci/R3/USDAFS on 03/04/2010 06:50 AM -----

"Emily Belts"  
<EBelts@epgaz.com>

03/03/2010 05:59 PM

To <husman@ag.arizona.edu>, <chris.kaselemis@tucsonaz.gov>,  
<daniel\_j\_moore@blm.gov>, <emerald5@cox.net>,  
<kabrahams@diamondven.com>, <kellett@fs.fed.us>,  
<nswalden@greenvalleypecan.com>, <ohenderson@ci.sahuarita.az.us>,  
<tbolton@land.az.gov>, <markkonharting@gmail.com>,  
<mark.harting@aztucs.ang.af.mil>, <marshall@magruder.org>,  
<deadlass14@msn.com>, <biannarino@diamondven.com>,  
<beverson@fs.fed.us>, <tciapusci@fs.fed.us>, <cindy\_alvarez@blm.gov>,  
<vailaz@hotmail.com>

cc <tubaclawyer@aol.com>, <linda\_hughes@blm.gov>,  
<mweinberg@diamondven.com>, <tfurgason@swca.com>,  
<gcheniae@cox.net>, "Lauren Weinstein" <Lweinst@epgaz.com>, "Cory Pintor"  
<cpintor@tep.com>, <EBakken@Tep.com>, <EBeck@Tep.com>, "Jason D.  
Gellman" <jgellman@rdp-law.com>, <jsalkowski@uns.com>, "Kathy Arnold"  
<karnold@rosemontcopper.com>, <law@krsaline.com>, "Lee Aitken"  
<LAitken@tep.com>, <LLucero@tep.com>, "Matt Derstine" <mderstine@rdp-  
law.com>, <MFarahani@TEP.Com>, <MJerden@tep.com>, "Patrick Black"  
<pblack@fclaw.com>, <sbreslin@tep.com>, <RBelval@tep.com>,  
<PNRConsulting@cox.net>, "Paul Trenter" <ptrente@epgaz.com>, "Chelsa  
Johnson" <Cjohnson@epgaz.com>, "Marc Schwartz" <mschwartz@epgaz.com>

Subject Rosemont 138kV Transmission Line Project - Alternative Route Materials For  
Stakeholder Group Meeting #4

Hello All,

Attached is a table and set of draft maps showing the alternative route families we are recommending to be carried forward and will be reviewing with you on Friday, March 5 at our Stakeholder Group Meeting.

We have narrowed down the number of alternative route families and will be discussing these on Friday. The table contains a list of the recommended alternative routes by route family and space next to each route for your comments. We will allow time (a later date) after the meeting for you to provide your comments on each of the routes – we'll provide you with a requested due date when we meet on Friday. Along with the table are maps showing the different alternatives for your use in filling in the table.

Any comments that you can provide on Friday will be helpful though you will have time after the meeting, as previously mentioned.

We look forward to seeing you on Friday and hearing your ideas and suggestions.

Thanks,

**Emily Belts**  
Environmental Planner

**EPG**  
Environmental Planning Group  
Phoenix, Arizona  
602-956-4370 phone  
602-956-4374 fax  
<http://www.epgaz.com>

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[attachment "Alternative Routes.pdf" deleted by Melinda D Roth/R3/USDAFS] [attachment "Alternative Routes\_stakeholder Comments.doc" deleted by Melinda D Roth/R3/USDAFS]

**From:** [Erica Gaddis](#)  
**To:** [Robert Lefevre](#); [Jonathan Rigg](#)  
**Cc:** [Beverley A Everson](#); [Sue Wilmot](#); [Salek Shafiqullah](#); [Reta Laford](#)  
**Subject:** RE: FW: Rosemont Chapter 3 - Air Quality Section  
**Date:** 07/12/2010 10:09 AM

---

Bob,

Thank you for your comments. We will get them incorporated into the next draft. On the climate change section, we just need to know if you want to include climate change in the Air Quality section or make it a stand-alone section in the EIS. We have a climate change resource specialist here in the Salt Lake office and we'll get started on that section right away.

Thanks,  
Erica

---

**From:** Robert Lefevre [mailto:rlfevre@fs.fed.us]  
**Sent:** Friday, July 09, 2010 11:21 AM  
**To:** Jonathan Rigg  
**Cc:** Beverley A Everson; Erica Gaddis; Sue Wilmot; Salek Shafiqullah; Reta Laford  
**Subject:** Re: FW: Rosemont Chapter 3 - Air Quality Section

I have attached a copy of the document with my comments. In general, this new, shorter edition is better. I noticed that the greenhouse gas section (which included climate change) has been deleted and I think we will have to get this information into the DEIS somewhere. Is there a climate change section being developed (not that I'm the expert or even know anything about it!).

I am also going to forward an email that documents, although very briefly, the thought process behind the 300 square mile study area boundary as there appeared to be some question about the origin of the study area.

Robert E. Lefevre  
Forestry and Watershed Program Manager  
Coronado National Forest  
USDA Forest Service  
520-388-8373

"Jonathan Rigg" <jrigg@swca.com>

07/08/2010 08:43 AM

To <rlfevre@fs.fed.us>

cc "Sue Wilmot" <swilmot@swca.com>, "Erica Gaddis" <egaddis@swca.com>, "Beverley A Everson" <beverson@fs.fed.us>

Subject FW: Rosemont Chapter 3 - Air Quality Section

Bob,

My apologies, but I accidently misdirected our air quality specialist to send the draft Air Quality Affected Environment section to Salek for review instead of you. Please find the section attached and provide comments to Sue and Erica (cc'ed). If you have any questions, please let me know.

Many thanks,

Jonathan Rigg  
Environmental Planner  
SWCA Environmental Consultants  
343 West Franklin Street  
Tucson, Arizona  
Phone: (520) 325-9194  
Fax: (520) 325-2033  
Email: jrigg@swca.com

**From:** Sue Wilmot

**Sent:** Tuesday, July 06, 2010 3:58 PM

**To:** sshafiqullah@fs.fed.us

**Cc:** mroth@fs.fed.us; beverson@fs.fed.us; Tom Furgason; Jonathan Rigg

**Subject:** Rosemont Chapter 3 - Air Quality Section

Hi Salek,

I have attached a draft of the Rosemont Copper Project - Chapter 3 Air Quality section for your review. Please do not hesitate to contact me if you have any questions or concerns.

Sincerely,

Sue Wilmot

SWCA Environmental Consultants

55 N Main Ste 209

Logan, UT 84321

(W): 435-750-8789

(Cell): 435-760-4876 [attachment "DEIS Resource Section\_Air Quality\_Draft Submission.doc" deleted by Robert Lefevre/R3/USDAFS]

**From:** [Robert Lefevre](#)  
**To:** [Beverley A Everson](#)  
**Subject:** Re: Fw: Rosemont Chapter 3 Outline  
**Date:** 04/02/2010 12:23 PM

---

Thank you for adding a riparian section.  
Robert E. Lefevre  
Forestry and Watershed Program Manager  
Coronado National Forest  
USDA Forest Service  
520-388-8373  
▼ [Beverley A Everson/R3/USDAFS](#)

**Beverley A  
Everson/R3/USDAFS**

04/01/2010 01:23 PM

To abelauskas@fs.fed.us, aelek@fs.fed.us,  
cablair@fs.fed.us, ccleblanc@fs.fed.us,  
dkriegel@fs.fed.us, dsebesta@fs.fed.us,  
ecuriel@fs.fed.us, gmckay@fs.fed.us,  
hschewel@fs.fed.us, Kendall  
Brown/R3/USDAFS@FSNOTES, ljones02@fs.fed.us,  
Melinda D Roth/R3/USDAFS@FSNOTES,  
mfarrell@fs.fed.us, mreichard@swca.com,  
rlaford@fs.fed.us, rlefevre@fs.fed.us,  
seanlockwood@fs.fed.us, sldavis@fs.fed.us,  
sshafiqullah@fs.fed.us, temmett@fs.fed.us,  
tfurgason@swca.com, Walter  
Keyes/R3/USDAFS@FSNOTES, wgillespie@fs.fed.us

cc

Subject Fw: Rosemont Chapter 3 Outline

Hi Everyone,

Please see the enclosed revised Rosemont DEIS Chapter 3 outline. I would appreciate getting any comments that you have on the revision within the next few days, and no later than COB on April 7.

As some of you heard in an IDT meeting a few weeks ago, there will likely be team assignments for the lead in the physical, biological and social environment sections of the analyses for this chapter. We will talk about this some more in the upcoming IDT meetings on April 7 (core team) and April 14 (extended team). Please plan on a full day for each of these meetings, from 9:00 to 4:30, in 6V6 and 4B respectively.

Thanks,

Bev

Beverley A. Everson

Forest Geologist  
Coronado National Forest  
300 W. Congress Street, 6th Floor  
Tucson, AZ. 85701

Voice: 520-388-8428  
Fax: 520-388-8305

----- Forwarded by Beverley A Everson/R3/USDAFS on 04/01/2010 01:10 PM -----

"Tom Furgason"  
<tfurgason@swca.com>

03/30/2010 05:23 PM To "Rochelle Desser" <rdesser@fs.fed.us>  
cc "Melinda D Roth" <mroth@fs.fed.us>, "Beverley A Everson" <beverson@fs.fed.us>, "Jonathan Rigg" <jrigg@swca.com>, "Melissa Reichard" <mreichard@swca.com>, <jdmacivor@frontiernet.net>  
Subject FW: Rosemont Chapter 3 Outline

Rochelle,

We have made a few revisions to your Chapter 3 outline and completed some of the sections that were left off. More specifically, we reorganized some of the sections so that analysis in preceding sections supports conclusions (e.g., HazMat, Fuels and Fire, and Transportation come before Human Health and Safety). We also retained some sections like EJ and Transportation at an equal heading level with other Issues. Please take a look at the attached and let me know if it is acceptable to you.

Finally, the outline is numbered only to track the heading levels at this time. They will be removed prior to sending the document to the Region for review.

Tom

**From:** Camille Ensle  
**Sent:** Tuesday, March 30, 2010 3:29 PM  
**To:** Jonathan Rigg; Tom Furgason  
**Subject:** RE: Rosemont Chapter 3 Outline

Attached is the revised Outline for Chapter 3 [attachment "Chapter 3 Outline.docx" deleted by Robert Lefevre/R3/USDAFS]

**From:** [Mary M Farrell](#)  
**To:** [Beverley A Everson](#)  
**Cc:** [Melinda D Roth](#); [William B Gillespie](#)  
**Subject:** Re: Fw: Rosemont Chapter 3 Outline  
**Date:** 04/02/2010 04:15 PM

---

Bev,

Bill Gillespie and I much prefer the previous DEIS chapter 3 outline that we reviewed some time ago. Do you have that version handy, could you send it to us for comparison's sake?

Mary

Mary M. Farrell  
Heritage Program Leader and Tribal Liaison  
Coronado National Forest  
300 W. Congress  
Tucson, AZ 85701  
(520) 388-8391  
(520) 388-8305 (fax)  
▼ [Beverley A Everson/R3/USDAFS](#)

**Beverley A  
Everson/R3/USDAFS**

04/01/2010 01:23 PM

To [abelauskas@fs.fed.us](mailto:abelauskas@fs.fed.us), [aelek@fs.fed.us](mailto:aelek@fs.fed.us),  
[cablair@fs.fed.us](mailto:cablair@fs.fed.us), [cclblanc@fs.fed.us](mailto:cclblanc@fs.fed.us),  
[dkriegel@fs.fed.us](mailto:dkriegel@fs.fed.us), [dsebesta@fs.fed.us](mailto:dsebesta@fs.fed.us),  
[ecuriel@fs.fed.us](mailto:ecuriel@fs.fed.us), [gmckay@fs.fed.us](mailto:gmckay@fs.fed.us),  
[hschewel@fs.fed.us](mailto:hschewel@fs.fed.us), Kendall  
Brown/R3/USDAFS@FSNOTES, [ljones02@fs.fed.us](mailto:ljones02@fs.fed.us),  
[Melinda D Roth/R3/USDAFS@FSNOTES](mailto:Melinda D Roth/R3/USDAFS@FSNOTES),  
[mfarrell@fs.fed.us](mailto:mfarrell@fs.fed.us), [mreichard@swca.com](mailto:mreichard@swca.com),  
[rlaford@fs.fed.us](mailto:rlaford@fs.fed.us), [rlefevre@fs.fed.us](mailto:rlefevre@fs.fed.us),  
[seanlockwood@fs.fed.us](mailto:seanlockwood@fs.fed.us), [sldavis@fs.fed.us](mailto:sldavis@fs.fed.us),  
[sshafiqullah@fs.fed.us](mailto:sshafiqullah@fs.fed.us), [temmett@fs.fed.us](mailto:temmett@fs.fed.us),  
[tfurgason@swca.com](mailto:tfurgason@swca.com), Walter  
Keyes/R3/USDAFS@FSNOTES, [wgillespie@fs.fed.us](mailto:wgillespie@fs.fed.us)

cc

Subject Fw: Rosemont Chapter 3 Outline

Hi Everyone,

Please see the enclosed revised Rosemont DEIS Chapter 3 outline. I would appreciate getting any comments that you have on the revision within the next few days, and no later than COB on April 7.

As some of you heard in an IDT meeting a few weeks ago, there will likely be team assignments for the lead in the physical, biological and social environment sections of the analyses for this chapter. We will

talk about this some more in the upcoming IDT meetings on April 7 (core team) and April 14 (extended team). Please plan on a full day for each of these meetings, from 9:00 to 4:30, in 6V6 and 4B respectively.

Thanks,

Bev

Beverley A. Everson  
Forest Geologist  
Coronado National Forest  
300 W. Congress Street, 6th Floor  
Tucson, AZ. 85701

Voice: 520-388-8428  
Fax: 520-388-8305

----- Forwarded by Beverley A Everson/R3/USDAFS on 04/01/2010 01:10 PM -----

**"Tom Furgason"**  
<tfurgason@swca.com>

03/30/2010 05:23 PM

To "Rochelle Desser" <rdesser@fs.fed.us>

cc "Melinda D Roth" <mroth@fs.fed.us>, "Beverley A Everson" <beverson@fs.fed.us>, "Jonathan Rigg" <jrigg@swca.com>, "Melissa Reichard" <mreichard@swca.com>, <jdmacivor@frontiernet.net>

Subject FW: Rosemont Chapter 3 Outline

Rochelle,

We have made a few revisions to your Chapter 3 outline and completed some of the sections that were left off. More specifically, we reorganized some of the sections so that analysis in preceding sections supports conclusions (e.g., HazMat, Fuels and Fire, and Transportation come before Human Health and Safety). We also retained some sections like EJ and Transportation at an equal heading level with other Issues. Please take a look at the attached and let me know if it is acceptable to you.

Finally, the outline is numbered only to track the heading levels at this time. They will be removed prior to sending the document to the Region for review.

Tom

**From:** Camille Ensle  
**Sent:** Tuesday, March 30, 2010 3:29 PM  
**To:** Jonathan Rigg; Tom Furgason  
**Subject:** RE: Rosemont Chapter 3 Outline

Attached is the revised Outline for Chapter 3 [attachment "Chapter 3 Outline.docx" deleted by Mary M Farrell/R3/USDAFS]

**From:** [Debby Kriegel](#)  
**To:** [Tom Furgason](#)  
**Cc:** [Beverley A Everson](#); [Melinda D Roth](#)  
**Subject:** Re: FW: Rosemont Landforming Assessment Proposal  
**Date:** 12/02/2009 07:21 AM

---

I'd like to share this scope of work with Horst. Can I send this version to him? Or should I wait until everyone has reviewed it and revisions made? Please let me know. Thanks.

▼ ["Tom Furgason" <tfurgason@swca.com>](#)

**"Tom Furgason"**  
**<tfurgason@swca.com>**

12/01/2009 05:03 PM

To <beverson@fs.fed.us>, "Melinda D Roth" <mroth@fs.fed.us>, "Debby Kriegel" <dkriegel@fs.fed.us>  
cc <rlaford@fs.fed.us>, <jsturgess@augustaresource.com>, "Dale Ortman " <daleortmanpe@live.com>  
Subject FW: Rosemont Landforming Assessment Proposal

Bev,

Attached is Golder's SOW for your consideration. Please let me know ASAP if you feel that George missed anything. I have forwarded a copy with the costs to Rosemont for their consideration.

Tom

---

**From:** Kelley Cox  
**Sent:** Tuesday, December 01, 2009 4:51 PM  
**To:** Tom Furgason  
**Subject:** FW: Rosemont Landforming Assessment Proposal

For you -

*Kelley Cox*  
Senior Administrator  
**SWCA** Environmental Consultants  
343 W. Franklin Street

Tucson, Arizona 85701  
Phone: 520-325-9194 Fax: 520-325-2033  
[www.swca.com](http://www.swca.com)  
Sound Science, Creative Solutions.®

---

**From:** Tom Furgason  
**Sent:** Tuesday, December 01, 2009 4:28 PM  
**To:** Kelley Cox  
**Subject:** FW: Rosemont Landforming Assessment Proposal

Kelley,

Can you please delete the last sheet and black out the cost estimate on Page 2? Thanks.

Tom

---

**From:** Annandale, George [mailto:George\_Annandale@golder.com]  
**Sent:** Monday, November 30, 2009 4:26 PM  
**To:** Tom Furgason  
**Cc:** Dale Ortman PE; Kidd, Dave; Melissa Reichard  
**Subject:** Rosemont Landforming Assessment Proposal

Tom

Please find attached the proposal for the landforming assessment.

I will appreciate it if you can let me know whether the client approved so that we can commence with the work.

Sincerely,

**George W. Annandale, D.Ing., P.E.** | Practice / Program Leader |  
**Golder Associates Inc.**

44 Union Blvd, Suite 300, Lakewood, Colorado, USA 80228

**T:** +1 (303) 980-0540 | **D:** +1-720-920-4612 | **F:** +1 (303) 985-2080 |

**C:** +1 (720) 244-3865 | **E:** [george\\_annandale@golder.com](mailto:george_annandale@golder.com) |

[www.golder.com](http://www.golder.com)

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**Please consider the environment before printing this email.**

[attachment "09381962 Ltr RosemontMinePropVer1RevB 30NOV09.pdf" deleted  
by Debby Kriegel/R3/USDAFS]

*notify the sender by replying to this message and then delete it from your system.*

*[attachment "Barrel Only\_raw shape.pdf" deleted by Debby Kriegel/R3/USDAFS] [attachment "11204\_KOP12\_PAb.jpg" deleted by Debby Kriegel/R3/USDAFS]*

**From:** [Beverley A Everson](#)  
**To:** [Beverley A Everson](#)  
**Subject:** Fw: Barrel-Only Landform - Debby's comments  
**Date:** 06/29/2010 12:54 PM

---

Beverley A. Everson  
Forest Geologist  
Coronado National Forest  
300 W. Congress Street, 6th Floor  
Tucson, AZ. 85701

Voice: 520-388-8428  
Fax: 520-388-8305

----- Forwarded by Beverley A Everson/R3/USDAFS on 06/29/2010 12:53 PM -----

**Debby  
Kriegel/R3/USDAFS**

06/29/2010 11:30 AM

To "Dale Ortman PE" <daleortmanpe@live.com>  
cc ""Beverley A Everson"" <beverson@fs.fed.us>, ""Krizek, David"" <David.Krizek@tetrattech.com>, fsamorano@rosemontcopper.com, ""Jonathan Rigg"" <jrigg@swca.com>, ""Kathy Arnold"" <karnold@rosemontcopper.com>, ""Marcie Bidwell"" <mbidwell@swca.com>, ""Melissa Reichard"" <mreichard@swca.com>, ""Salek Shafiqullah"" <sshafiqullah@fs.fed.us>, ""Tom Furgason"" <tfurgason@swca.com>, Debby Kriegel/R3/USDAFS@FSNOTES

Subject Re: FW: Barrel-Only Landform 

Dale (and all),

I'm ok with not having a meeting tomorrow.

I've briefly looked at the new drawing and although it looks better, I'm confused about the numerous double contour lines and contour lines that cross one another. Can someone explain what these are showing?

I plan to meet with Salek to discuss this alternative further. I would like to provide a consolidated FS comments and recommendations in writing within a week. I do not consider this a "conclusion to the team's efforts", though maybe it'll be a slightly different team moving forward.

Thanks.

~~~~~  
Debby Kriegel, RLA
Landscape Architect
Coronado National Forest
300 W. Congress

Tucson, AZ 85701
(520) 388-8427
Fax (520) 388-8305
www.fs.fed.us/r3/coronado/
dkriegel@fs.fed.us

"Dale Ortman PE"
<daleortmanpe@live.com>

06/29/2010 10:12 AM

To ""Debby Kriegel"" <dkriegel@fs.fed.us>, ""Salek Shafiqullah""
<sshafiqullah@fs.fed.us>

cc ""Beverley A Everson"" <beverson@fs.fed.us>, ""Tom Furgason""
<tfurgason@swca.com>, ""Melissa Reichard"" <mreichard@swca.com>,
""Jonathan Rigg"" <jrigg@swca.com>, ""Kathy Arnold""
<karnold@rosemontcopper.com>, <fsamorano@rosemontcopper.com>,
""Krizek, David"" <David.Krizek@tetrattech.com>, ""Marcie Bidwell""
<mbidwell@swca.com>

Subject FW: Barrel-Only Landform

Debby & Salek,

I have not received a response to the recommendations in the email below. Please provide your input regarding the recommendations so that we may reach an expeditious conclusion to the team's efforts and proceed to a potential alternative for Reta's consideration.

Regards,

Dale

Dale Ortman PE PLLC
Consulting Engineer

(520) 896-2404 - Arizona Office
(520) 449-7307 - Mobile
(435) 682-2777 - Utah Office

daleortmanpe@live.com

PO Box 1233
Oracle, AZ 85623

From: Dale Ortman PE [mailto:daleortmanpe@live.com]
Sent: Sunday, June 27, 2010 6:29 PM
To: 'Debby Kriegel'; 'Salek Shafiqullah'; 'mbidwell@swca.com'; 'Kathy Arnold'; 'fsamorano@rosemontcopper.com'; 'Krizek, David'
Cc: 'Beverley A Everson'; 'tfurgason@swca.com'; 'Jonathan Rigg'; 'Melissa Reichard'
Subject: Barrel-Only Landform
Importance: High

All,

Attached is the latest landform topography developed by Rosemont for the Barrel-Only landform alternative. This landform has been developed through the joint efforts of the CNF, SWCA, Rosemont, and TetraTech and incorporates the following elements:

- Extension of the Upper Barrel drainage within the landform
- Multiple ridge landforms with differing elevations
- Potential for variable slopes on eastern flanks of the landform
- Potential for reduction in number of drainage control benches on eastern flank of landform
- Improved stormwater discharge control utilizing the extension of the Upper Barrel drainage
- Maintain overall 3:1 slopes with drainage benches on west side of landform to provide required storage capacity and maintain tailings placement operations
- Maintain waste rock perimeter buttress surrounding tailings
- Maintain encapsulation of the heap leach facility

The team has done an excellent job in the collaborative effort to develop this landform concept. I believe we have reached a point in the process where the landform concept should be turned over to Rosemont for final engineering development as the Barrel-Only Alternative for consideration in the DEIS. I recommend that, in addition to the general design objectives listed above, Rosemont develop the following during the final engineering:

- Confirm constructability of the landform
- Summarize the concurrent & final reclamation plan
- General layout of rock sub-drains & flow-through drains
- General stormwater control plan, including commitment to the design criteria currently in the Site Water Management Plan Update

In addition, I propose that we not meet on June 30th as currently scheduled but the team review the attached landform and provide any additional design objectives for Rosemont to include in the final engineering. Please get back to me ASAP with comments and any design objectives you believe should be included in the final design.

If you have any questions please email me or try the Utah phone listed below.

Regards,

Dale

Dale Ortman PE PLLC
Consulting Engineer

(520) 896-2404 - Arizona Office
(520) 449-7307 - Mobile
(435) 682-2777 - Utah Office

daleortmanpe@live.com

PO Box 1233
Oracle, AZ 85623

[attachment "Prelim Barrel_Proposed Survey Area.pdf" deleted by Beverley A
Everson/R3/USDAFS]

From: [Melinda D Roth](#)
To: [Jonathan Rigg](#)
Cc: beverson@fs.fed.us; jsturgess@rosemontcopper.com; karnold@rosemontcopper.com; rlaford@fs.fed.us
Subject: Re: Accepted Mitigation Measures Compilation Table
Date: 05/10/2010 04:48 PM

It seems to me that the Issues column is straight forward and could be filled out before we meet next. The forest ID Team has discussed the interrelationships of resources and issues, so I would suggest the Issues column be assigned to the forest. Once you get other input, let's confer to be sure we are clear about who will do what by when. Thx.

Mindee Roth
Coronado National Forest
300 W. Congress, FB42
Tucson, AZ 85701
(520) 388-8319
(520) 396-0715 (cell)
(520) 388-8305 (FAX)

"Jonathan Rigg" <jrigg@swca.com>

05/07/2010 03:39 PM

To <beverson@fs.fed.us>, "Melinda D Roth" <mroth@fs.fed.us>, <rlaford@fs.fed.us>, <jsturgess@rosemontcopper.com>, <karnold@rosemontcopper.com>

cc

Subject Accepted Mitigation Measures Compilation Table

All,

The Accepted Mitigation Measures Compilation table is attached for your review. This table only includes mitigation measures that are 1) required by law, regulation, and policy, 2) included in the MPO, 3) Rosemont has reviewed and accepted, and 4) need further clarification (just a few). If there were any pending clarifications or comments that had yet to be resolved for these measures, I moved them into the appropriate cell and highlighted them in yellow. I added a column to identify the official Issue(s) that the mitigation measure is targeted to. I was not clear from our discussion on Monday whether filling out this new column will be a collaborative effort at our upcoming working group meeting, or if I should take a stab at filling it out prior to the meeting. Please review the table, let me know if you have any comments or suggestions, and whether it would be preferable for the Issues column to be filled out prior to the upcoming meeting.

For reference, I attached the Total Compilation from January 22nd as well.

Have a great weekend!

Jonathan Rigg
Environmental Planner
SWCA Environmental Consultants
343 West Franklin Street

Tucson, Arizona

Phone: (520) 325-9194

Fax: (520) 325-2033

Email: jrjgg@swca.com[attachment "Accepted Mitigation Measures Compilation.docx" deleted by Melinda D Roth/R3/USDAFS] [attachment "1-22-10 Mitigation Total Compilation.docx" deleted by Melinda D Roth/R3/USDAFS]

From: [Dale Ortman PE](#)
To: ['Salek Shafiqullah'](#)
Cc: ['Beverley A Everson'](#); [Terry Chute](#); ['Chris Garrett'](#); ['DeAnne Rietz'](#); ['Tom Furgason'](#); ['Jonathan Rigg'](#); ['Melissa Reichard'](#)
Subject: FW: Rosemont - Golder Review of Site Water Management Plan
Date: 08/09/2010 08:23 AM
Attachments: [09381962_TM Rosemont_05AUG10.pdf](#)

Salek,

Attached is Golder's revision of their review Technical Memorandum for the Site Water Management Plan Update. It appears they have provided revisions in response to your comments. Please review the attached document and let me know if you authorize it's release to Rosemont.

Regards,

Dale

Dale Ortman PE PLLC
Consulting Engineer

(520) 896-2404 - Arizona Office
(520) 449-7307 - Mobile
(435) 682-2777 - Utah Office

daleortmanpe@live.com

PO Box 1233
Oracle, AZ 85623

From: Annandale, George [mailto:George_Annandale@golder.com]
Sent: Thursday, August 05, 2010 3:53 PM
To: Dale Ortman PE; Patterson, Jennifer
Cc: 'Beverley A Everson'; 'Jonathan Rigg'; 'Melissa Reichard'; 'Roger D Congdon'; 'Tom Furgason'; 'Salek Shafiqullah'
Subject: RE: Rosemont - Golder Review of Site Water Management Plan

Dale,

Please find attached the revised memorandum. You may want to read through it again.

Sincerely,

Dr. George W. Annandale, P.E., F.ASCE. | Principal | **Golder Associates Inc.**
44 Union Blvd, Suite 300, Lakewood, Colorado, USA 80228

T: +1 (303) 980-0540 | **D:** +1-720-920-4612 | **F:** +1 (303) 985-2080 | **C:** +1 (720) 244-3865 | **E:** george_annandale@golder.com | www.golder.com

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Please consider the environment before printing this email.

From: Dale Ortman PE [mailto:daleortmanpe@live.com]
Sent: Monday, August 02, 2010 9:53 AM
To: Patterson, Jennifer; Annandale, George
Cc: 'Beverley A Everson'; 'Jonathan Rigg'; 'Melissa Reichard'; 'Roger D Congdon'; 'Tom Furgason'; 'Salek Shafiqullah'
Subject: RE: Rosemont - Golder Review of Site Water Management Plan

Jennifer & George,

The email below provides the CNF comment on the draft technical memorandum for the site water management plan. Please review the comments and prepare a final revision of the technical memorandum. If you have any questions regarding completion of the memo or the provided comments please contact me.

Regards,

Dale

From: Salek Shafiqullah [mailto:sshafiqullah@fs.fed.us]
Sent: Wednesday, July 28, 2010 3:28 PM
To: Dale Ortman PE
Cc: 'Beverley A Everson'; 'Jonathan Rigg'; 'Melissa Reichard'; 'Roger D Congdon'; 'Tom Furgason'
Subject: Re: Rosemont - Golder Review of Site Water Management Plan

Hello Dale,

I have reviewed the draft technical memorandum and find it acceptable pending discussion of the following comments. Lets discuss.

Comments:

Section 2.0: Figure 1 should be revised to show an accurate representation of the text referencing figure 1. Figure 1 data represents winter storms while it is supposed to show an example of monsoon precipitation which is a summer phenomena. Note that maximum saturation events in the southwest deserts happen in both the summer and winter. Jan 1993, Jan 2010 (Carlotta near Superior), etc.
Section 3.0: If this SOW allows, I would like to see an additional column or two added to Table 2 which shows Golders opinion regarding the adequacy of each design criteria (do they agree) and if they don't, what design criteria they would recommend (maximum saturation event=72 hour or longer event, etc).

Salek Shafiqullah, Hydrologist
Coronado National Forest
520-388-8377

"Dale Ortman PE" <daleortmanpe@live.com>

07/28/2010 11:05 AM

To "Salek Shafiqullah" <sshafiqullah@fs.fed.us>, "Roger D Congdon" <rcongdon@fs.fed.us>

cc "Beverley A Everson" <beverson@fs.fed.us>, "Tom Furgason" <tfurgason@swca.com>, "Jonathan Rigg" <jrigg@swca.com>, "Melissa Reichard" <mreichard@swca.com>

Subject Rosemont - Golder Review of Site Water Management Plan

All,

Attached is the draft technical review memorandum prepared by Golder for the Site Water Management Plan. The SOW includes the CNF to review the draft memo and provide comment to Golder for preparation of a final document. Given the project schedule please review the memo as soon as possible and provide comment for revision or determine that the document is acceptable as is so we can forward it along to Rosemont.

Regards,

Dale

Dale Ortman PE PLLC
Consulting Engineer

(520) 896-2404 - Arizona Office
(520) 449-7307 - Mobile
(435) 682-2777 - Utah Office

daleortmanpe@live.com

PO Box 1233
Oracle, AZ 85623

[attachment "09381962 TM Rosemont_23JUL10.pdf" deleted by Salek Shafiqullah/R3/USDAFS]

From: [Debby Kriegel](#)
To: [Beverley A Everson](#)
Subject: Fw: Bounds~ Map boundaries- Visuals and Land use
Date: 06/29/2009 07:13 AM

Bev,

Below is my dialogue with Marcie about bounds of analysis for visual quality. There is also some discussion about alternatives here. Are you expecting IDT members to provide something more formal for our response to bounds of analysis work by SWCA...or is this all you need to see?

Debby

----- Forwarded by Debby Kriegel/R3/USDAFS on 06/29/2009 06:57 AM -----

"Marcie Bidwell"
<mbidwell@swca.com> To "Debby Kriegel" <dkriegel@fs.fed.us>
cc "Trent Reeder" <treeder@swca.com>
06/26/2009 02:52 PM Subject RE: Bounds~ Map boundaries- Visuals and Land use

Debby,

How about the following changes to wrap this up (and agreed regarding adjustments as we go).

These distances are geographically referenced and conceptualized for analysis according to Coronado National Forest management areas: (1) the immediate project site boundary (foreground), and (2) Santa Rita Ecological Management Area (EMA) of the Coronado National Forest (middle ground), and **(3) Coronado National Forest boundary. Beyond the Forest, cumulative impacts to visual resources for viewers, residents and visitors to the area include Santa Cruz County to the Canelo Hills and Eastern Pima County to the Empire Mountains (background and further distant views).**

Trent and Debby,

Below are notes from Debby and I's review of the

Debrief from Visual Fly Around Meeting- Alternatives Development

1. Dale to draw new options and combinations of alternatives to send to Trent for GIS

2. ID Team to visit Sycamore Canyon and other areas to consider (Weds).
3. Trent to create new figures for the ID Team per Melissa's email instructions
4. Marcie to suggest new KOPs for alternatives (Gunsight, Sycamore view i.e. Sahaurita dogleg, Tucson, Northern 83)
5. Debby and Marcie to evaluate basic alternative options for Best Visual Alt and Worst Visual Alt- two weeks
6. Debby to record general iconic photographs and mine reclamation photographs
7. Trent to extend Existing SR83 Viewshed Analysis (linear viewshed analysis) **north** up to Interstate 19
8. Marcie to update Site Analysis diagram with new viewshed analysis information
9. Marcie and Trent to create a section line diagram at key locations to analyze optimum height for hidden structures
10. Debby to request from RCC Permion and soil geology study-

Tuesday Meeting with Debby, Trent and I to review and prepare for Weds alternative meeting tour

Thanks!
Marcie

From: Debby Kriegel [mailto:dkriegel@fs.fed.us]
Sent: Friday, June 26, 2009 12:57 PM
To: Marcie Bidwell
Subject: Re: Bounds~ Map boundaries- Visuals and Land use

Marcie:

This looks good, except I don't see the "Coronado National Forest" boundary. This one is very useful for cumulative effects. Please add it to your report.

Also, I'm assuming that this isn't locked in this early in the process. It's a great starting point and shouldn't change a lot, but as analysis proceeds, we may find that it needs some tweaking.

Thanks!

Debby

"Marcie Bidwell"
<mbidwell@swca.com>

06/25/2009 11:44 AM

To "Debby Kriegel" <dkriegel@fs.fed.us>, "Charles Coyle"
<ccoyle@swca.com>

CC "Lara Mitchell" <lmitchell@swca.com>

Subject: Bounds~ Map boundaries- Visuals and Land use

Debby and Charles,

Incorporating feed back and input from both of you and multiple sources, here is the final version of hte bounds of analysis.

Please let me know if you have any questions!

Marcie

From: Debby Kriegel [mailto:dkriegel@fs.fed.us]
Sent: Tuesday, June 16, 2009 9:04 AM
To: Marcie Bidwell
Cc: Debby Kriegel
Subject: Re: Bounds~ Map boundaries- Visuals and Land use

Marcie: Here are my comments (in red). Thanks. Debby

VISUAL RESOURCES:

1. The temporal bounds of analysis for Visual Resources is intended to include the area that may impact or be impacted by the proposed project. As such, the temporal bounds of analysis include Construction, Operations, Reclamation, and Post-Closure. Additionally, within the Operations time boundary, a sub-boundary for visual **resources** will include the completion reclamation of the ~~tailings-berm~~ **perimeter buttress** that is intended to screen the mine operation. *(the last sentence is not necessary, as this will be covered within the other boundaries, but if you think it's important to mention, that's fine)*

2. The geographic bounds of the visual resource analysis is defined as (1) the project site (project boundary), (2) ~~Nogales Forest Unit~~, **Santa Rita EMA** (3) Coronado National Forest, and (4) Santa Cruz **County** and **Eastern Pima Counties**.

LAND USE: Is this a new issue?

1. The temporal bounds of analysis for Land Use is intended to describe the land use planning that may impact or be impacted by the proposed project. As such, the temporal bounds of analysis include Construction, Operations, Reclamation, and Post-Closure.

2. Geographic- The potential impacts to Land Use Resources include the project area and surrounding lands as they are managed for land use, and are defined as (1) the project site (project boundary), (2) Nogales Forest Unit, (3) Coronado National Forest, and (4) southern Santa Cruz and northern Pima Counties.

"Marcie Bidwell" <mbidwell@swca.com>

06/15/2009 11:55 AM

To "Debby Kriegel" <dkriegel@fs.fed.us>

cc

Subject: Bounds~ Map boundaries- Visuals and Land use

Hello Debby

Welcome back~ hope you had a great time up north on vacation.

Please see the bounds of analysis discussion below. I had sent you a short description of it before you left, but I am not sure that we actually decided. I have further added on to that description and descriptions.

As we need to have an easily definable area, I shy'd away from doing a visual analysis of all areas that can see the Santa Ritas, and tried to use boundaries that already exist. You and I have discussed that Tucson is within view of the Santa Ritas, and thought that Pima County might be a good way to capture that area in a easier to define way.

Finally, I also suggested that we use the Nogales Forest Unit and the Coronado NF as two others, as the LRMP is defined by those units.

Please confirm/comment on the list below,

Thanks!
Marcie

From: Lara Mitchell
Sent: Monday, June 15, 2009 10:34 AM
To: Marcie Bidwell
Subject: RE: Bounds~ Map boundaries- Visuals and Land use

Hi Marcie

Just wanted to double check on the bounds for the maps, you want to show all of the Coronado NF, highlighted in blue on the attached screen shot? And all of Pima county, all the way out past Ajo?

Thanks

<<visual_miles.pdf>>

From: Marcie Bidwell
Sent: Friday, June 12, 2009 3:19 PM
To: Lara Mitchell; Charles Coyle; Stephen Leslie
Subject: Bounds~ Map boundaries- Visuals and Land use

Lara and Charles!

Here is what I recommend to the Forest for visuals. The boundaries should be existing GIS files.

VISUALS:

1. The temporal bounds of analysis for Visual Resources is intended to include the area that may impact or be impacted by the proposed project. As such, the temporal bounds of analysis include Construction, Operations, Reclamation, and Post-Closure. Additionally, within the Operations time boundary, a sub-boundary for visuals will include the completion reclamation of the tailings berm that is intended to screen the mine operation.

2. The geographic bounds of the visual resource analysis is defined as (1) the project site (project boundary), (2) Nogales Forest Unit, (3) Coronado National Forest, and (4) Santa Cruz and Pima Counties.

LAND USE:

1. The temporal bounds of analysis for Land Use is intended to describe the land use planning that may impact or be impacted by the proposed project. As such, the temporal

bounds of analysis include Construction, Operations, Reclamation, and Post-Closure.

2. Geographic- The potential impacts to Land Use Resources include the project area and surrounding lands as they are managed for land use, and are defined as (1) the project site (project boundary), (2) Nogales Forest Unit, (3) Coronado National Forest, and (4) southern Santa Cruz and northern Pima Counties.

If "northern Santa Cruz" and "southern Pima" is hard to define (perhaps cut them in half), then we could use the whole counties. Either way.

Marcie Demmy Bidwell
Environmental Planner
515 East College Avenue
Durango, Colorado 81301
Office: 970.385.8566
Fax: 970.385.1938

www.swca.com [attachment "visual_miles.pdf" deleted by Debby Kriegel/R3/USDAFS]

----- Forwarded by Beverley A Everson/R3/USDAFS on 10/19/2009 06:54 PM -----

Teresa Ann Ciapusci/R3/USDAFS

10/13/2009 03:57 PM

To Beverley A Everson/R3/USDAFS@FSNOTES

cc

Subject Catalog of Activities Form

Bev -

Attached is the spreadsheet format used by the cooperating agencies for identifying Past, Present, and Reasonably Foreseeable activities for the Rosemont Copper Project. Please distribute this format to the interdisciplinary team following the Effects Analysis presentation on October 14.

Based on our conversation, I will expect completed forms from the team to be forwarded to me (cc'd to you). Once I receive the team's forms, I will consolidate their responses with those I am receiving from the cooperating agencies and will provide you a single set of spreadsheets to use for the team's effects analysis work.

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(520) 388-8305 fax [attachment "2009 10 13 IDT Catalog of Activities.xlsx"
deleted by Duane A Bennett/R3/USDAFS]

PO Box 1233

Oracle, AZ 85623

[attachment "Wellfield Info Request Fig.pdf" deleted by Beverley A Everson/R3/USDAFS]

[attachment "ADWR Green Valley Subsidence Fig - reduced.pdf" deleted by Beverley A Everson/R3/USDAFS]

From: Hoag, Cori [mailto:choag@srk.com]
Sent: Thursday, September 24, 2009 11:54 AM
To: Charles Coyle; Tom Furgason
Cc: Dale Ortman PE; Bowell, Rob; Stone, Claudia
Subject: SRK review of geochemical test work prepared for Rosemont Copper

Charles and Tom,

Please find attached the review by SRK Consulting of two reports prepared by Vector (2006) and Tetra Tech (2007) on the geochemical test work performed for Rosemont Copper. Please let me know if you have any questions.

Regards, Cori

Corolla K Hoag, R.G.
Principal Geologist
SRK Consulting (U.S.), Inc.
3275 W. Ina Rd. Suite 240
Tucson, AZ 85741
Work: (520) 544-3688
Fax: (520) 544-9853
Mobile: (520) 400-4135

[attachment "Rosemont_PrelimGeochem_Review_183101_20090924_rb-ckh_FNL.pdf" deleted by Beverley A Everson/R3/USDAFS]

From: [Dale Ortman PE](#)
To: ['Kathy Arnold'](#)
Cc: ['Salek Shafiqullah'](#); ['Beverley A Everson'](#); ['Melinda D Roth'](#); ['Tom Furgason'](#); ['Jonathan Rigg'](#); ['Melissa Reichard'](#)
Subject: Pit Lake Geochemistry & Infiltration Fate & Transport Reports - Technical Reviews
Date: 05/11/2010 08:23 AM

Kathy,

Attached are the Technical Review memoranda prepared by SRK for the pit lake geochemistry and infiltration fate & transport modeling reports. Both reviews raise issues that will need resolution prior to the CNF accepting the results for use in completing the DEIS. Please review the attached documents and respond accordingly. If, following your review, you would like to proceed with a collaborative issue resolution process similar to that currently being pursued for the mine site groundwater model we will be glad to participate. Please let us know how you want to proceed and when we should expect a response from Rosemont.

Regards,

Dale

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Consulting Engineer

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[attachment "Pit_Lake_Predict_Model_TechMemo_183101_VIU& SJD_20100503_FNL_2.pdf" deleted by Beverley A Everson/R3/USDAFS] [attachment "Infiltration+GeochemModelRvw_TechMemo_183101_ms_20100430_FNL.pdf" deleted by Beverley A Everson/R3/USDAFS]

From: [Beverley A Everson](#)
To: [Beverley A Everson](#)
Subject: Fw: Rosemont Socio: full draft with Sarah's comments
Date: 08/03/2010 05:23 PM

Filed in socioeconomics.

Beverley A. Everson
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300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

Voice: 520-388-8428
Fax: 520-388-8305

----- Forwarded by Beverley A Everson/R3/USDAFS on 08/03/2010 05:22 PM -----

**Sarah L
Davis/R3/USDAFS**

08/03/2010 02:46 PM

To "Cara Bellavia" <cbellavia@swca.com>
cc Melinda D Roth/R3/USDAFS@FSNOTES, Beverley A
Everson/R3/USDAFS@FSNOTES, tjchute@msn.com,
tfurgason@swca.com

Subject Re: Rosemont Socio: full draft with Sarah's comments



I think we got it all discussed yesterday. Here are the comments in track changes. [attachment "Rosemont_SOCIO_CH 3_072910_SDedits.doc" deleted by Beverley A Everson/R3/USDAFS]

Good report. We're gettin' there!

Sarah L. Davis, ASLA
Plan Revision Team
Coronado National Forest
TEL 520-388-8458
FAX 520-388-8332

▼ ["Cara Bellavia" <cbellavia@swca.com>](mailto:cbellavia@swca.com)

**"Cara Bellavia"
<cbellavia@swca.com>**

07/29/2010 04:07 PM

To "Sarah L Davis" <sldavis@fs.fed.us>, "Richard
Periman" <rperiman@fs.fed.us>
cc "Jonathan Rigg" <jrigg@swca.com>,
<tjschute@msn.com>

Subject Rosemont Socio: full draft

Hi Sarah,

Attached is the socioeconomics section for the Rosemont project for your review. I did incorporate both of your comments to the extent that I could. Here are a couple thoughts.

1. Sarah's comment: in the discussion of rural historic landscapes (page 1) include mention of "local ranching traditions".
 - a. *NOTE: to add "local ranching traditions" would be a modification to Issue 11B, developed by the USFS core team. Can we make this change? If so, the Issues in Ch. 1 and elsewhere would need to be updated.*
2. Property value: still struggling with that one. I used the 2 mile buffer as I originally proposed because I can't find any literature to support using something different, which is my biggest concern. The analysis is based on that buffer...Tom Powers presentation didn't provide any clarity on approach for property value. Additionally, his paper on the project isn't published yet.

That's about it in a nutshell. Sarah and Richard, if there is any way to fit your review time in ASAP, that would be most appreciated. My understanding is a draft needs to be ready by August 16th, and that would include me incorporating your comments and having time for our team to do a technical edit and format. It's a small window!

Thanks so much for all your feedback.
Please call me if you have any questions.

Thanks,
Cara [attachment "Rosemont_SOCIO_CH 3_072910.doc" deleted by Beverley A Everson/R3/USDAFS]

From: [Reta Laford](#)
To: [Salek Shafiqullah](#)
Cc: [abelauskas@fs.fed.us](#); [aelek@fs.fed.us](#); [Beverley A Everson](#); [cablair@fs.fed.us](#); [ccleblanc@fs.fed.us](#); [dkriegel@fs.fed.us](#); [dsebesta@fs.fed.us](#); [ecuriel@fs.fed.us](#); [gmckay@fs.fed.us](#); [hschewel@fs.fed.us](#); [Kendall Brown](#); [ljones02@fs.fed.us](#); [Melinda D Roth](#); [mfarrell@fs.fed.us](#); [mreichard@swca.com](#); [rlefevre@fs.fed.us](#); [seanlockwood@fs.fed.us](#); [sldavis@fs.fed.us](#); [temmett@fs.fed.us](#); [tfurgason@swca.com](#); [Walter Keyes](#); [wgillespie@fs.fed.us](#)
Subject: Thx to Salek for leading. I look forward to meeting results. -Re: Rosemont Copper Project IDT meeting on May 26 (Core)
Date: 05/25/2010 04:19 PM

Salek - Thank you for your willingness to lead the Team for this upcoming meeting. I know you will lead it well. I am very interested in the discussion about things would stop or postpone the DEIS Timeline.

Reta Laford
Deputy Forest Supervisor
Coronado National Forest
Phone: 520-388-8307

▼ [Salek Shafiqullah/R3/USDAFS](#)

**Salek
Shafiqullah/R3/USDAFS**

05/25/2010 03:20 PM

To: Beverley A Everson/R3/USDAFS@FSNOTES
cc: [abelauskas@fs.fed.us](#), [aelek@fs.fed.us](#), [Beverley A Everson/R3/USDAFS@FSNOTES](#), [cablair@fs.fed.us](#), [ccleblanc@fs.fed.us](#), [dkriegel@fs.fed.us](#), [dsebesta@fs.fed.us](#), [ecuriel@fs.fed.us](#), [gmckay@fs.fed.us](#), [hschewel@fs.fed.us](#), [Kendall Brown/R3/USDAFS@FSNOTES](#), [ljones02@fs.fed.us](#), [Melinda D Roth/R3/USDAFS@FSNOTES](#), [mfarrell@fs.fed.us](#), [mreichard@swca.com](#), [rlaford@fs.fed.us](#), [rlefevre@fs.fed.us](#), [seanlockwood@fs.fed.us](#), [sldavis@fs.fed.us](#), [temmett@fs.fed.us](#), [tfurgason@swca.com](#), [Walter Keyes/R3/USDAFS@FSNOTES](#), [wgillespie@fs.fed.us](#)
Subject: Re: Rosemont Copper Project IDT meeting on May 26 (Core) 

Hi Everyone,

The next IDT meeting will be at the SO, and will be a half day meeting. This is a core team meeting, but extended team members are encouraged to come if you can. Agenda is attached. Mindee and Bev are unavailable for this meeting and therefore, I have been asked to facilitate. See you soon.

Salek Shafiqullah, Hydrologist
Coronado National Forest
520-388-8377

[attachment "Agenda template may 26 2010.docx" deleted by Reta

Laford/R3/USDAFS]

From: Melinda D Roth
To: mreichard@swca.com
Cc: tfurgason@swca.com; Beverley A Everson
Subject: Fw: Electronic versions of Catalog of Activities from Cooperating Agencies
Date: 10/26/2009 03:05 PM

What is a reasonable date for completion? Bev has tasked the IDT with completing their lists by Nov 6th. It would be most efficient if they had these comments as they were completing their work so they could avoid duplication. Also, please work with TA if you have questions on the drop down choices, etc.

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----- Forwarded by Melinda D Roth/R3/USDAFS on 10/26/2009 03:02 PM -----

**Teresa Ann
Ciapusci/R3/USDAFS**

10/26/2009 11:39 AM

To: mreichard@swca.com, Melinda D Roth/R3/USDAFS@FSNOTES
cc
Subject: Electronic versions of Catalog of Activities from Cooperating Agencies

Melissa -

Here is what I've received to date in electronic format - you'll need to compare to the hard copies and see what is duplicative and what you'll need to type because it didn't come in electronic format. I have not yet received any submissions from the IDT or Rosemont, but those too should be coming in the next couple of weeks and will also need to be added to the comprehensive catalog you are developing from this initial material.

I'm including as an attachment, the original format the CA were provided for completing their lists. You will need to modify the original format to add a column on each spreadsheet that identifies the source of each line item recorded in the comprehensive catalog. Note the drop-down feature in some fields - if CA (or IDT or Rosemont) used the "other" option, but you can come up with a topic-specific addition to the drop-down list, then feel free to add to the drop-down lists to ensure consistency when sorting. Also note that some of the hardcopy documents included maps and other reference material that should be linked to the comprehensive catalog entries to which they apply.

The completed comprehensive catalog should be sent to Mindee, cc to me and Bev.

Mindee -

Please provide Melissa with a due date for completing the comprehensive catalog

and getting the final product to you so it can be effectively used by the IDT for analysis and incorporated into the proper section of Chapter 1 of the DEIS. Also, please let her know when she should expect data from the IDT and Rosemont for inclusion in the comprehensive product.

[attachment "2009 09 21 CA Catalog of Activities.xlsx" deleted by Melinda D Roth/R3/USDAFS] [attachment "2009 10 08 AZGF Rosemont 2009-10-08 Catalog of Activities.xlsx" deleted by Melinda D Roth/R3/USDAFS] [attachment "2009 10 08 COE Rosemont spreadsheet.xlsx" deleted by Melinda D Roth/R3/USDAFS] [attachment "2009 10 09 AZSLD PHX-#573169-v1-ROSEMONT_MINE_EIS_--_ASLD_ACTIVITIES.XLSX" deleted by Melinda D Roth/R3/USDAFS] [attachment "2009 10 09 BLM CA Catalog of Activities_BLM.xlsx" deleted by Melinda D Roth/R3/USDAFS] [attachment "2009 10 09 Pima County Catalog of Activities.xlsx" deleted by Melinda D Roth/R3/USDAFS] [attachment "2009 10 09 Town of Sahuarita Marques CA Catalog of Activities_merged.xlsx" deleted by Melinda D Roth/R3/USDAFS] [attachment "2009 10 10 AZDWR 2009 CA Catalog of Activities ADWR revisions.xls" deleted by Melinda D Roth/R3/USDAFS] [attachment "PHX-#573169-v1-ROSEMONT_MINE_EIS_--_ASLD_ACTIVITIES.XLSX" deleted by Melinda D Roth/R3/USDAFS]

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From: [Melinda D Roth](#)
To: [Beverley A Everson](#)
Subject: Fw: Rosemont Issue Statements and Units of Measure
Date: 07/14/2009 04:25 PM

FYI... So far, I have received feedback from Walt, Debby, Larry Jones, and TA.

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----- Forwarded by Melinda D Roth/R3/USDAFS on 07/14/2009 04:23 PM -----

**Melinda D
Roth/R3/USDAFS**

07/13/2009 09:33 AM

To Robert Lefevre/R3/USDAFS@FSNOTES, William B Gillespie/R3/USDAFS@FSNOTES, Sarah L Davis/R3/USDAFS@FSNOTES, Debby Kriegel/R3/USDAFS@FSNOTES, Deborah K Sebesta/R3/USDAFS@FSNOTES, Walter Keyes/R3/USDAFS@FSNOTES, Salek Shafiqullah/R3/USDAFS@FSNOTES, Eli Curiel/R3/USDAFS@FSNOTES, Beverley A Everson/R3/USDAFS@FSNOTES, Kent C Ellett/R3/USDAFS@FSNOTES, Arthur S Elek/R3/USDAFS@FSNOTES

cc Richard A Gerhart/R3/USDAFS@FSNOTES, Larry Jones/R3/USDAFS@FSNOTES, Alan Belauskas/R3/USDAFS@FSNOTES, Tami Emmett/R3/USDAFS@FSNOTES, George McKay/R3/USDAFS@FSNOTES, Pete Schwab/R3/USDAFS@FSNOTES, Kendall Brown/R3/USDAFS@FSNOTES, Christopher C LeBlanc/R3/USDAFS@FSNOTES, Mary M Farrell/R3/USDAFS@FSNOTES, John Able/R3/USDAFS@FSNOTES, Teresa Ann Ciapusci/R3/USDAFS@FSNOTES, ccoyle@swca.com, tfurgason@swca.com

Subject Rosemont Issue Statements and Units of Measure

Review and comment by Wed., IDT discussion July 22nd meeting...

[attachment "units_of_measure2.doc" deleted by Melinda D Roth/R3/USDAFS]
[attachment "07132009_ issue_statements_for IDT_review.doc" deleted by Melinda D Roth/R3/USDAFS]

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From: [Melinda D Roth](#)
To: [Beverley A Everson](#)
Subject: Fw: Rosemont - Backfill and Pit Lake Management Approaches Technical Memorandum
Date: 04/16/2010 08:33 AM

Mindee Roth
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----- Forwarded by Melinda D Roth/R3/USDAFS on 04/16/2010 08:33 AM -----

"Dale Ortman PE"
<daleortmanpe@live.com>

04/15/2010 10:08 AM

To: ""Salek Shafiqullah - USFS ""
<sshafiqullah@fs.fed.us>, ""Beverley A Everson""
<beverson@fs.fed.us>

cc: ""Tom Furgason"" <tfurgason@swca.com>,
""Melissa Reichard"" <mreichard@swca.com>,
""Melinda D Roth"" <mroth@fs.fed.us>, ""Rochelle
Dresser"" <rdesser@fs.fed.us>

Subject: Rosemont - Backfill and Pit Lake Management
Approaches Technical Memorandum

Salek & Bev,

We received the attached Technical Memorandum prepared by TetraTech regarding a conceptual evaluation of various approaches to managing the pit lake, including both partial and complete backfill. The memorandum presents a general discussion of the ramifications of several pit lake management approaches. I believe the information in the memorandum is well within the expertise of the CNF/SWCA staff to provide review and do not intend to engage a technical subconsultant for this purpose. In general, the memorandum concludes that partial pit backfill is highly unlikely to have any demonstrable effect on lessening the impact of pit drawdown in areas distant from the immediate pit area such as the perennial reaches of Davidson or Cienega creeks. Also, the memorandum concludes that total backfill would result in changes to the down-gradient groundwater chemistry and the reestablishment of the pre-mine water table would not occur for a very long time relative to human life times.

If you have any comment or questions please contact me.

Regards,

Dale

Dale Ortman PE PLLC
Consulting Engineer

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daleortmanpe@live.com

PO Box 1233
Oracle, AZ 85623

[attachment "Rosemont Backfill Alternative_10April2010_final.pdf" deleted by
Beverley A Everson/R3/USDAFS]

From: [Beverley A Everson](#)
To: [Beverley A Everson](#)
Subject: Fw: Rosemont 3D Facilities Example
Date: 07/19/2010 06:03 PM

document filed in C Drive, under Facilities, "Facilities 3D"

Beverley A. Everson
Forest Geologist
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Tucson, AZ. 85701

Voice: 520-388-8428
Fax: 520-388-8305

----- Forwarded by Beverley A Everson/R3/USDAFS on 07/19/2010 05:57 PM -----

"Trent Reeder"
<treeder@swca.com>

07/19/2010 03:21 PM

To "Krizek, David" <David.Krizek@tetrattech.com>, "Marcie Bidwell" <mbidwell@swca.com>, "Jonathan Rigg" <jrigg@swca.com>, "Kathy Arnold" <karnold@rosemontcopper.com>, "Debby Kriegel" <dkriegel@fs.fed.us>, "Beverley A Everson" <beverson@fs.fed.us>, "Tom Furgason" <tfurgason@swca.com>, "Melissa Reichard" <mreichard@swca.com>, <tjchute@msn.com>, "Carrasco, Joel" <Joel.Carrasco@tetrattech.com>

cc

Subject Rosemont 3D Facilities Example

Hello all,

I have attached a 3D "box model" rendering of the proposed facilities. David, Joel, Marcie, and I collaborated on which facilities were important to model for this exercise. I've bulleted some additional information below:

- 3D Scene is from KOP 2 - MM 44, Scenic Pull Off with pit in background
- Model information was derived from the Rosemont Copper Project Building Elevations and Height July 12, 2010 document.
- Models were generated using the Plant Site shapefile as a guide to the building footprints.
- Tallest building is the Mill Building at ~160 ft tall with a base elevation of 5019 ft.
- Color: Light Stone SR .50 SRI 58
- Model illumination: 11am - Azimuth 140 degrees and Altitude 31 degrees
- Facility grading has been represented in a transparent white

Please let me know if you have any questions. Thanks.

Trent Reeder
GIS Specialist
SWCA Environmental Consultants

treeder@swca.com

130 Rock Point Dr. Suite A

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[attachment "Facilities_3D_labeled.jpg" deleted by Beverley A Everson/R3/USDAFS]

From: [Beverley A Everson](#)
To: [Beverley A Everson](#)
Subject: Fw: Rosemont DEIS Chapter 2_06202010_CE.docx
Date: 06/21/2010 05:51 PM

Attachment filed in Rosemont/EIS Drafts

Beverley A. Everson
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----- Forwarded by Beverley A Everson/R3/USDAFS on 06/21/2010 05:50 PM -----

"Tom Furgason"
<tfurgason@swca.com>

06/21/2010 05:14 PM

To "Beverley A Everson" <beverson@fs.fed.us>, <mroth@fs.fed.us>
cc "Jonathan Rigg" <jrigg@swca.com>, "Melissa Reichard" <mreichard@swca.com>, "Dale Ortman PE" <daleortmanpe@live.com>
Subject Rosemont DEIS Chapter 2_06202010_CE.docx

Bev,

Attached is our revised Chapter 2 for your review. I would consider this draft about 50 percent complete. We are still waiting for:

- Detailed information from Rosemont regarding the Upper Barrel Only Alternative;
- GIS data and graphics (some needs were only identified this week and we'll be submitting another request to Rosemont this week);
- Finalization of the mitigation measures (CNF and RCC);
- Finalization of Compensatory Land Mitigation (CNF and RCC);
- Monitoring Plan (Westland);
- Utility Line Alternative Development and Descriptions (RCC and EPG);
- Water Source Alternative evaluation (SWCA); and
- Numerous other small project details (e.g. description of fencing, acres fenced, etc.).

We have been using the Idaho Cobalt EIS as our template; however, I have been reviewing the Rock Creek Mine EIS and I think that they did a better job with introducing issues and on Alternatives Considered but Dismissed. I'll bring examples of the latter to tomorrow's meeting for

discussion, but I'd like to follow their example more than Idaho Cobalt.

Finally, this draft is still very rough. However, it is still substantially revised and warrants review to ensure that we are on track with the direction that we are taking. I would like to discuss another interim submittal when we meet tomorrow. The interim submittal date should be tied to the finalization of mitigation and receipt of graphics from Rosemont. We'll see you tomorrow at 9:30.

Tom [attachment "Rosemont DEIS Chapter 2_062110_CE.pdf" deleted by Beverley A Everson/R3/USDAFS] [attachment "Rosemont DEIS Chapter 2_06202010_CE.docx" deleted by Beverley A Everson/R3/USDAFS]

From: [Melissa Reichard](#)
Sent By: [rosemonteis](#)
To: [kbrown03@fs.fed.us](#); [beverson@fs.fed.us](#); [kellett@fs.fed.us](#); [rlefevre@fs.fed.us](#); [aelek@fs.fed.us](#); [temmett@fs.fed.us](#); [gmckay@fs.fed.us](#); [ljones02@fs.fed.us](#); [ccoyle@swca.com](#); [abelauskas@fs.fed.us](#); [sldavis@fs.fed.us](#); [rlaford@fs.fed.us](#); [mfarrell@fs.fed.us](#); [mreichard@swca.com](#); [wgillespie@fs.fed.us](#); [tfurgason@swca.com](#); [tciapusci@fs.fed.us](#); [mroth@fs.fed.us](#)
Cc: [Melissa Reichard](#)
Subject: Glamis Gold v. US lawsuit award
Date: 09/18/2009 03:19 PM

For those of you who were not present at this week's IDT meeting, we discussed the Glamis Gold case. It is a mining company vs. the US due to the requirement to backfill an open-pit. They first began the lawsuit process in December of 2003 and this is the decision that was released in June of this year. It was requested that I get this information and put it out to the team.

Disclaimer: The Project management team would have to provide guidance as to what, if any, implications this could mean for Rosemont.

<<https://rosemonteis.webexone.com/r.asp?a=5&id=154083>>

This link will also bring you to all of the other documents in the case:
<http://www.state.gov/s/l/c10986.htm>

Thanks!

Mel

From: [Dale Ortman PE](#)
To: ['Kathy Arnold'](#)
Cc: ['Tom Furgason'](#); ['Salek Shafiqullah'](#); ['Beverley A Everson'](#)
Subject: Green Valley Wellfield Information Request
Date: 02/06/2010 10:45 AM

Kathy,

The 30 April 2009 Montgomery report on the water supply pumping model provides information on 2006 groundwater withdrawal for FICO, mining (Asarco & FMI), and public/recreation use. The attached figure from the Montgomery report indicates several FICO wellfields but does not show similar information for the mining or public/recreation uses. However, the text of the Montgomery report describes the general location of the mining wellfields. It would be very helpful for SWCA to map this information relative to the attached ADWR depiction of the Green Valley Subsidence Feature for inclusion in the DEIS. On the assumption that Montgomery has this information in their files, could they provide the following:

1. 2006 withdrawal for FICO Wellfield "A"
2. 2006 withdrawal for FICO Wellfield "B"
3. Location of Asarco wellfield
4. Location of FMI wellfield
5. If possible, it would be useful to also locate the Public/Recreation wellfields, but these may be too dispersed to depict and, as this is a relatively small part of the total withdrawal, the location is not vital to the description.

Please let me know if Montgomery can supply this information, else we will need to develop it.

Thanks for your help with this.

Dale

Dale Ortman PE PLLC
Consulting Engineer

(520) 896-2404 - Arizona Office
(520) 449-7307 - Mobile
(435) 682-2777 - Utah Office

daleortmanpe@live.com

From: [Beverley A Everson](#)
To: [Beverley A Everson](#)
Subject: Fw: Agave Test Plot
Date: 06/23/2009 01:28 PM

Beverley A. Everson
Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

Voice: 520-388-8428
Fax: 520-388-8305

----- Forwarded by Beverley A Everson/R3/USDAFS on 06/23/2009 01:28 PM -----

Kathy Arnold
<karnold@rosemontcopper.com>

06/19/2009 11:51 AM

To: Beverley A Everson <beverson@fs.fed.us>
cc: Jamie Sturgess
<jsturgess@augustaresource.com>
Subject: FW: Agave Test Plot

Bev –

Just in case you get some calls or complaints. We set up an area on our property (< 1.5 acres) for the University of Arizona to do some agave transplant tests.

We will also be doing some water elevation checks and water quality sampling over the next couple of weeks – the same kind of work we have been doing over the past two years, but just in case someone gets nervous. We've had some on-going vandalism of cattle fencing at the ranch lately (on our state leases) so I think that we are having a bit more activity of the antis in the field so you may get some calls.

Cheers! And have a great weekend -
Kathy

Kathy Arnold | Director of Environmental and Regulatory Affairs
Cell: 520.784.1972 | Main: 520.297.7723 | Fax 520.297.7724
karnold@rosemontcopper.com



Rosemont Copper Company
P.O. Box 35130 | Tucson, AZ 85740-5130
3031 West Ina Road | Tucson, AZ 85741 | www.rosemontcopper.com

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you are not the intended recipient, please delete all copies and notify us immediately.

From: Dennis Fischer
Sent: Friday, June 19, 2009 11:27 AM
To: Kathy Arnold
Cc: Rod Pace
Subject: Agave Test Plot

Kathy:

If we don't get rained out DM will finish clearing and grubbing the agave test plot today. I got some pipe posts and concrete from the Ranch and DM will plant them near our property line on the way into the plot. I'll put some cable up next week and hopefully Holly can come up with a U of A sign. I think it all came out pretty good. Holly took a bunch of pictures herself out there this morning so I haven't copied her on this email. She's good with the plot.

Dennis[attachment "Agave Test Plot June 19, 2009 001.jpg" deleted by Beverley A Everson/R3/USDAFS] [attachment "Agave Test Plot June 19, 2009 002.jpg" deleted by Beverley A Everson/R3/USDAFS] [attachment "Agave Test Plot June 19, 2009 003.jpg" deleted by Beverley A Everson/R3/USDAFS]

From: [Dale Ortman PE](#)
To: ['Jonathan Rigg'](#)
Cc: ['Tom Furgason'](#); ['Melissa Reichard'](#); ['Salek Shafiqullah'](#); ['Beverley A Everson'](#); ['Melinda D Roth'](#)
Subject: FW: Montgomery Response to MWH Review of Mine Water Pumping Model
Date: 05/15/2010 07:52 AM

Jonathan,

Below is the CNF request to have MWH review the responses to issues raised by MWH during review of the mine water supply pumping model. Attached are the following:

- Montgomery responses to the initial MWH review of the mine water supply pumping model
- MWH proposal to review the Montgomery responses
- Scope of Work provided to MWH for their proposal

Please confer with Rosemont as to how they want to proceed.

Cheers,

Dale

Dale Ortman PE PLLC
Consulting Engineer

(520) 896-2404 - Arizona Office
(520) 449-7307 - Mobile
(435) 682-2777 - Utah Office

daleortmanpe@live.com

PO Box 1233
Oracle, AZ 85623

From: Salek Shafiqullah [mailto:sshafiqullah@fs.fed.us]
Sent: Thursday, May 13, 2010 2:17 PM
To: Dale Ortman PE
Cc: 'Jonathan Rigg'; 'Melissa Reichard'; 'Tom Furgason'
Subject: Re: Montgomery Response to MWH Review of Mine Water Pumping Model

Hello Dale,

Please have MWH review the responses provided by Montgomery and be prepared to discuss or respond. Lets try to use the collaborative approach to resolution we have been pursuing on some of the other unresolved subjects. If Rosemont agrees, please arrange to conduct teleconferences and/or roundtable meetings with all the relevant participants. Otherwise, please have MWH draft a response to the Montgomery document, with forest service input, and forward it on to Rosemont. Lets discuss. Thanks.

Salek Shafiqullah, Hydrologist
Coronado National Forest
520-388-8377

"Dale Ortman PE"
<daleortmanpe@live.com>

05/10/2010 09:15 AM

To "Salek Shafiqullah" <sshafiqullah@fs.fed.us>
cc "Jonathan Rigg" <jrigg@swca.com>, "Tom Furgason"
<tfurgason@swca.com>, "Melissa Reichard" <mreichard@swca.com>
Subject Montgomery Response to MWH Review of Mine Water Pumping Model

Salek,

Please review the response provided by Montgomery regarding the initial MWH review of

the mine water supply pumping model report and let me know if it is acceptable or if you want to have the response reviewed by MWH.

Regards,

Dale

Dale Ortman PE PLLC
Consulting Engineer

(520) 896-2404 - Arizona Office

(520) 449-7307 - Mobile

(435) 682-2777 - Utah Office

daleortmanpe@live.com

PO Box 1233

Oracle, AZ 85623

[attachment "MWH_Response_final_2.pdf" deleted by Beverley A Everson/R3/USDAFS]

[attachment "SWCA proposal.pdf" deleted by Beverley A Everson/R3/USDAFS] [attachment "20100317_ortman_taylor_watersupplyresponserevu_sow_memo.pdf" deleted by Beverley A Everson/R3/USDAFS]

From: [Debby Kriegel](#)
To: [Beverley A Everson](#); [Melinda D Roth](#); mbidwell@swca.com; tfurgason@swca.com
Cc: [Debby Kriegel](#)
Subject: Fw: Rosemont - Visual Resources SOW - Clarification
Date: 05/25/2010 11:56 AM
Attachments: [Scope_Visual_Resources_2010_05_25.doc](#)

Please let me clarify how much of the work is currently unfunded, per Marcie's comment below:

"Rosemont has agreed to the scope of work, but has currently only allocated 50% of the funding"

----- Forwarded by Debby Kriegel/R3/USDAFS on 05/25/2010 11:53 AM -----

"Marcie Bidwell"
<mbidwell@swca.com> To "Debby Kriegel" <dkriegel@fs.fed.us>
CC
05/25/2010 11:27 AM Subject FW: Rosemont - Visual Resources SOW

Debby,

Thanks for sending the approval through. Do you think the statement that "much of the work is not currently funded" needs any clarification? As its more tricky than just a blanket statement like that, and I am afraid that the statement portrays an untrue condition. Its more accurate to say that "Rosemont has agreed to the scope of work, but has currently only allocated 50% of the funding," or something like that.

I just dont want anyone who knows that there has been an agreement, even if partial, to think that we are exaggerating.

But perhaps that is implicit to Minde and Bev as they are aware of the situation.

Though the meeting went well yesterday, did you?
Marcie

From: Debby Kriegel [mailto:dkriegel@fs.fed.us]
Sent: Tuesday, May 25, 2010 10:45 AM

To: Beverley A Everson; Melinda D Roth; Tom Furgason; Marcie Bidwell
Cc: Debby Kriegel
Subject: Rosemont - Visual Resources SOW

I have reviewed SWCA's scope of work for visual resources, discussed many items with Marcie, and made some relatively minor edits to the original document.

I approve the attached Scope of Work with the following disclaimers:

1. Much of the work described here is not currently funded. This concerns me and needs to be resolved.
2. I would like Marcie to focus efforts on the specialist report. Writing the EIS should follow.
3. Although this scope describes the majority of the tasks needed for visual resources, there may be some unforeseen items that would need to be added, such as:
 - Attendance at special meetings when Marcie's participation is desired and/or additional trip(s) to Tucson if needed to complete all work.
 - Site visits to other mines or reclamation projects, if appropriate and needed to collect information appropriate for the Rosemont project.
 - Additional simulations, if necessary for effects analysis.

~~~~~  
Debby Kriegel, RLA  
Landscape Architect  
Coronado National Forest  
300 W. Congress  
Tucson, AZ 85701  
(520) 388-8427  
Fax (520) 388-8305  
[www.fs.fed.us/r3/coronado/](http://www.fs.fed.us/r3/coronado/)  
[dkriegel@fs.fed.us](mailto:dkriegel@fs.fed.us)

**Beverley A Everson/R3/USDAFS**

04/07/2010 02:17 PM

To Debby Kriegel/R3/USDAFS@FSNOTES  
cc

Subject Fw: Visual Resources SOW

Beverley A. Everson  
Forest Geologist  
Coronado National Forest  
300 W. Congress Street, 6th Floor  
Tucson, AZ. 85701

Voice: 520-388-8428

Fax: 520-388-8305

----- Forwarded by Beverley A Everson/R3/USDAFS on 04/07/2010 02:17 PM -----

"Tom Furgason" <tfurgason@swca.com>

03/03/2010 03:50 PM

To "Beverley A Everson" <beverson@fs.fed.us>

cc

Subject Visual Resources SOW

Bev,

I'm sorry to make you ask again. Here is the visual SOW that we are authorized to work on. Please keep in mind that any violations in assumptions will likely require more money from Rosemont.

Tom[attachment "Doc1.docx" deleted by Debby Kriegel/R3/USDAFS]



Scope\_Visual\_Resources\_2010\_05\_25.doc

**From:** [Beverley A Everson](#)  
**To:** [Beverley A Everson](#)  
**Subject:** Fw: Rosemont Air Quality Section  
**Date:** 08/27/2010 04:39 PM

---

Beverley A. Everson  
Forest Geologist  
Coronado National Forest  
300 W. Congress Street, 6th Floor  
Tucson, AZ. 85701

Voice: 520-388-8428  
Fax: 520-388-8305

----- Forwarded by Beverley A Everson/R3/USDAFS on 08/27/2010 04:38 PM -----

**Robert  
Lefevre/R3/USDAFS**

08/27/2010 04:30 PM

To "Andy Hultgren" <ahultgren@swca.com>  
cc Beverley A Everson/R3/USDAFS@FSNOTES  
Subject RE: Rosemont Air Quality Section 

Here is another try at attaching the chapter 3 original draft air section, and hopefully the draft tables of present and future activities.[attachment "Ch 3\_3-1 Air Quality\_021610\_CE.doc" deleted by Beverley A Everson/R3/USDAFS] [attachment "future activities affecting Rosemont bounds of analysis.docx" deleted by Beverley A Everson/R3/USDAFS] [attachment "current activities affecting Rosemont bounds of analysis.docx" deleted by Beverley A Everson/R3/USDAFS]

Robert E. Lefevre  
Forestry and Watershed Program Manager  
Coronado National Forest  
USDA Forest Service  
520-388-8373

▼ ["Andy Hultgren" <ahultgren@swca.com>](mailto:ahultgren@swca.com)

**"Andy Hultgren"  
<ahultgren@swca.com>**

08/27/2010 02:44 PM

To "Robert Lefevre" <rlefevre@fs.fed.us>  
cc  
Subject RE: Rosemont Air Quality Section

Thanks Bob for looking into the visibility at Saguaro, and for pulling together that present/future activities table. I think the attachment did not come through; could you try resending?

Thanks much and have a great weekend,

Andy Hultgren  
Sustainability Project Manager  
SWCA Environmental Consultants  
257 East 200 South, Suite 200  
Salt Lake City, Utah 84111  
o: 801.322.4307  
c: 801.750.4419  
Reducing your footprint is good business.

**From:** Robert Lefevre [mailto:rlfevre@fs.fed.us]  
**Sent:** Friday, August 27, 2010 3:43 PM  
**To:** Andy Hultgren  
**Subject:** Re: Rosemont Air Quality Section

Andy, thank you for calling me this morning. I have attached the original version of Chapter 3 Air for the Rosemont DEIS. It does not have specifics about visibility at Saguaro NP. I am trying to get something for you, but so far I haven't been able to contact anyone. Perhaps Monday.

Also, I am going to try to get some more entries into the present and future activities table before I send it to you.

Robert E. Lefevre  
Forestry and Watershed Program Manager  
Coronado National Forest  
USDA Forest Service  
520-388-8373

"Andy Hultgren" <ahultgren@swca.com>

08/27/2010 10:17 AM

To "Robert Lefevre" <rlfevre@fs.fed.us>

cc

Subject Rosemont Air Quality Section

Hi Bob,

I am working on the Air Quality section of the Rosemont EIS, and wanted to coordinate schedules with you. Is there a time I could chat with you, and what phone number can I reach you at? I look forward to talking.

Best,

Andy Hultgren  
Sustainability Project Manager  
SWCA Environmental Consultants  
257 East 200 South, Suite 200  
Salt Lake City, Utah 84111  
o: 801.322.4307  
c: 801.750.4419  
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**From:** [Beverley A Everson](#)  
**To:** [Beverley A Everson](#)  
**Subject:** Fw: Rosemont Air Quality Section  
**Date:** 08/27/2010 04:40 PM

---

Ask Bob for files if needed. They were gigantic...

Beverley A. Everson  
Forest Geologist  
Coronado National Forest  
300 W. Congress Street, 6th Floor  
Tucson, AZ. 85701

Voice: 520-388-8428  
Fax: 520-388-8305

----- Forwarded by Beverley A Everson/R3/USDAFS on 08/27/2010 04:39 PM -----

**Beverley A  
Everson/R3/USDAFS** To Beverley A Everson/R3/USDAFS@FSNOTES  
cc  
08/27/2010 04:39 PM Subject Fw: Rosemont Air Quality Section

Beverley A. Everson  
Forest Geologist  
Coronado National Forest  
300 W. Congress Street, 6th Floor  
Tucson, AZ. 85701

Voice: 520-388-8428  
Fax: 520-388-8305

----- Forwarded by Beverley A Everson/R3/USDAFS on 08/27/2010 04:38 PM -----

**Robert  
Lefevre/R3/USDAFS** To "Andy Hultgren" <ahultgren@swca.com>  
cc Beverley A Everson/R3/USDAFS@FSNOTES  
08/27/2010 04:30 PM Subject RE: Rosemont Air Quality Section 

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Robert E. Lefevre  
Forestry and Watershed Program Manager

Coronado National Forest  
USDA Forest Service  
520-388-8373  
▼ ["Andy Hultgren" <ahultgren@swca.com>](mailto:ahultgren@swca.com)

**"Andy Hultgren"**  
**<ahultgren@swca.com>** To "Robert Lefevre" <rlefevre@fs.fed.us>  
cc  
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Forestry and Watershed Program Manager  
Coronado National Forest

USDA Forest Service  
520-388-8373

"Andy Hultgren" <ahultgren@swca.com>

08/27/2010 10:17 AM

To "Robert Lefevre" <rlefevre@fs.fed.us>

cc

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**Date:** 08/27/2010 04:39 PM

---

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----- Forwarded by Beverley A Everson/R3/USDAFS on 08/27/2010 04:38 PM -----

**Robert Lefevre/R3/USDAFS**  
08/27/2010 04:30 PM

To "Andy Hultgren" <ahultgren@swca.com>  
cc Beverley A Everson/R3/USDAFS@FSNOTES  
Subject RE: Rosemont Air Quality Section 

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Robert E. Lefevre  
Forestry and Watershed Program Manager  
Coronado National Forest  
USDA Forest Service  
520-388-8373  
▼ ["Andy Hultgren" <ahultgren@swca.com>](mailto:ahultgren@swca.com)

**"Andy Hultgren" <ahultgren@swca.com>**  
08/27/2010 02:44 PM

To "Robert Lefevre" <rlefevre@fs.fed.us>  
cc  
Subject RE: Rosemont Air Quality Section

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Andy Hultgren  
Sustainability Project Manager  
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**Sent:** Friday, August 27, 2010 3:43 PM  
**To:** Andy Hultgren  
**Subject:** Re: Rosemont Air Quality Section

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Robert E. Lefevre  
Forestry and Watershed Program Manager  
Coronado National Forest  
USDA Forest Service  
520-388-8373

"Andy Hultgren" <ahultgren@swca.com>

08/27/2010 10:17 AM

To "Robert Lefevre" <rlfevre@fs.fed.us>

cc

Subject Rosemont Air Quality Section

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Andy Hultgren  
Sustainability Project Manager  
SWCA Environmental Consultants  
257 East 200 South, Suite 200  
Salt Lake City, Utah 84111  
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c: 801.750.4419  
Reducing your footprint is good business.

**From:** [Debby Kriegel](#)  
**To:** [Beverley A Everson](#)  
**Subject:** Fw: Rosemont Mine- visual report update  
**Date:** 04/15/2009 02:22 PM

---

Marcie just sent this email, which includes verbage documenting the fact that she is really just getting started on her work (I highlighted in red). Is this sufficient for our files?

----- Forwarded by Debby Kriegel/R3/USDAFS on 04/15/2009 02:15 PM -----

**"Marcie Bidwell"**  
<[mbidwell@swca.com](mailto:mbidwell@swca.com)>  
04/15/2009 01:54 PM

To "Debby Kriegel" <[dkriegel@fs.fed.us](mailto:dkriegel@fs.fed.us)>, "Charles Coyle" <[ccoyle@swca.com](mailto:ccoyle@swca.com)>, "Tom Furgason" <[tfurgason@swca.com](mailto:tfurgason@swca.com)>  
cc  
Subject Rosemont Mine- visual report update

**Debby,**

Great working together today~ as we discussed, I will start processing the visual analysis maps and other immediate agenda items in support of Affected Environment immediately. I am looking forward to diving in full-throttle to make progress on the immediate items. I am invigorated to finally have the full go-ahead to make progress with the scope finally approved and signed.

Also, I will work with Tom and Charles to see if we can arrange for meetings the week of May 6th in Tucson for face-to-face working sessions, key observation point selection, site tour, and other working meetings.

I am including Tom and Charles on this email to keep them in the loop as to what my process will be and how we are tracking (1) current scope items and (2) additional items that you are working to have funded.

I will follow this email to all of you with a summary that shows committment of hours from the approved scope of work to each of the Visual Resource Proposal items.

**Tom and Charles,**

In moving the visual assessment forward, I will be calling you to discuss Visual and GIS tasks involved (and staff resources) that were included within the Visual Technical Report process. I will call to discuss the following:

1. Visual study- Charles was anticipating that RCC would deliver a visual product of some sort- I would like to find out more about what and when.
2. GIS visual mapping- I can do it here or if you would prefer Tucson do it, lets discuss
3. Site Tour- Debby and I would like to document KOPs and do some more exploration; I would like to coordinate this with you and any other potential tour coming up.
4. Review of the strategy attached and how SWCA's scope and schedule will guide this process.

The spreadsheet attached is the working version of the visual assessment process that Debby and I have fleshed out; The letter is a draft that Debby has written for Bev and Rita to take to RCC regarding additional visual research that she would like included in the process that is currently beyond our scope. These items are flagged in the spreadsheet as "N" for NO under "Witing Current Contract" on the strategy spreadsheet. My next step is to match hours to items on the strategy that will represent (1) EIS budget tasks and (2) Visual Technical Report.

Thanks! Hope to see you all soon~  
Marcie

---

**From:** Debby Kriegel [mailto:dkriegel@fs.fed.us]  
**Sent:** Wednesday, April 15, 2009 2:32 PM  
**To:** Marcie Bidwell  
**Cc:** Debby Kriegel  
**Subject:** Rosemont Mine

Marcie,

Thanks for taking time to discuss the project with me today. I look forward to seeing progress and products in the near future!

2 items are attached: the latest strategy and draft text for a letter from our Forest Supervisor to Rosemont. Let me know if you have comments on either item. **I'll need your comments on the letter within the next day or two.**

After making some initial contacts, I was referred to others who might have experience or helpful information. Please call each of these folks and ask about good mine reclamation and land sculpting examples. And please follow up on any leads you have as well!

- ASLA Reclamation and Restoration Professional Interest Group.
- Diane Tafoya, Forest Service Geologist, Southwest Regional Office, (505) 842-3275. She probably has experience with many projects, but one mentioned was the El Chaete Pumice mine on the Santa Fe and her work with Bill Kraussman, who helped with SMS work.
- Maria McGaha, Forest Service Environmental Engineer, Southwest

Regional Office, (505) 842-3837. Maria has worked on mine reclamation projects.

- Holly Fliniau, USDA, (303) 275-5547. Worked on a project called Reilly Pass mine, which may have good examples.
- Mike Dunn, Forest Service Minerals Specialist, Rocky Mountain Region, (303) 275-5101. He may know of mines with good land sculpting, including Henderson mine and Climax mine. He also may refer you to Paul Simmer or Dan Lovato (landscape architect)...the field folks on these projects.
- Donna Kim (414-297-3613) and Bill Mains (815-423-6370), both Forest Service folks from Region 8. They've worked on big scale mountain top mining projects on the Monongahela NF in West Virginia. Also contact Mary Frye, the landscape architect there, at 404-347-3357.
- Bill Kraussman, Forest Service Geometrics Group Leader, Southwest Regional Office, (505) 842-3846. Bill might have some good tips on visibility analysis, modeling, mines, and reclamation.

Debby Kriegel, RLA  
Landscape Architect  
Coronado National Forest  
(520) 388-8427  
dkriegel@fs.fed.us

[attachment "Visual\_Resource\_Proposal\_2009-04-15.xls" deleted by Debby Kriegel/R3/USDAFS] [attachment "RosemontLtr041309.doc" deleted by Debby Kriegel/R3/USDAFS]

**From:** [Beverley A Everson](#)  
**To:** [Beverley A Everson](#)  
**Subject:** Fw: SOQ  
**Date:** 04/21/2008 05:08 PM

---

Beverley A. Everson  
Forest Geologist  
Coronado National Forest  
300 W. Congress Street, 6th Floor  
Tucson, AZ. 85701

Voice: 520-388-8428  
Fax: 520-388-8305

----- Forwarded by Beverley A Everson/R3/USDAFS on 04/21/2008 05:08 PM -----

**Maria A  
McGaha/R3/USDAFS**

04/21/2008 03:53 PM

To: Beverley A Everson/R3/USDAFS@FSNOTES  
cc: Michael A Linden/R3/USDAFS, Mark E  
Schwab/R3/USDAFS, Roger D Congdon/R3/USDAFS  
Subject: Re: Fw: SOQ

Thanks, Bev.

Overall, the majority of the professionals have extensive international experience and little experience in Arizona. Arizona's environmental conditions are different and may encounter challenges the firm is unfamiliar with. I'd request the firm address experience with projects in Arizona (arid, dry climate, scarce water).

Also, most of the engineers are licensed as Professional Engineers, but only one registered in the State of Arizona. Terry Braun's is listed as registered engineer in Arizona. Dale Ortman, Dawn Garcia, Claudia Sone and Corola Hoag are registered in Arizona as a Professional Geologist.

Thanks!

Maria McGaha, PE  
Regional Environmental Engineer  
Southwestern Regional Office  
333 Broadway Blvd. SW  
Albuquerque, NM 87102  
(505) 842-3837  
(505) 842-3150 FAX  
mmcgaha@fs.fed.us  
▼ [Beverley A Everson/R3/USDAFS](#)

**Beverley A  
Everson/R3/USDAFS**

04/11/2008 09:57 AM

To Michael A Linden/R3/USDAFS@FSNOTES, Mark E Schwab/R3/USDAFS@FSNOTES, Roger D Congdon/R3/USDAFS@FSNOTES, Maria A McGaha/R3/USDAFS@FSNOTES, Salek Shafiqullah/R3/USDAFS@FSNOTES, Karyn B Harbour/R3/USDAFS@FSNOTES

cc

Subject Fw: SOQ

The last of the resumes/statements of qualifications for specialists to supplement the third party NEPA team. Tom Furgason obtained permission for me to forward these to you, so Ken Black's stern notice below can be overlooked.

Bev

Beverley A. Everson  
Forest Geologist  
Coronado National Forest  
300 W. Congress Street, 6th Floor  
Tucson, AZ. 85701

Voice: 520-388-8428  
Fax: 520-388-8305

----- Forwarded by Beverley A Everson/R3/USDAFS on 04/11/2008 08:54 AM -----

**"Tom Furgason"**  
<tfurgason@swca.com>

To <beverson@fs.fed.us>

cc

03/12/2008 08:51 AM

Subject FW: SOQ

-----Original Message-----

From: Black, Ken [mailto:kblack@srk.com]  
Sent: Tuesday, March 04, 2008 2:56 PM  
To: Tom Furgason  
Cc: Hoag, Cori; Ortman, Dale  
Subject: RE: SOQ

Tom

Please find attached an SOQ. This is an updated version that was shared with you earlier and includes an additional list of specialists in regulatory affairs, permitting and engineering.

If you have any questions please don't hesitate to call.

Regards,  
Ken

Ken Black P. Eng  
Principal Consultant  
3275 West Ina Road, Suite 240  
Tucson, AZ. 85741

kblack@srk.com  
Phone: +1 520 544 3688  
Fax: +1 520 544 9853  
Mobile: +1 520 204 5220  
www.srk.com

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-----Original Message-----

From: Ortman, Dale  
Sent: Tuesday, March 04, 2008 9:29 AM  
To: 'tfurgason@swca.com'  
Cc: Black, Ken; Hoag, Cori  
Subject: Re: SOQ

Tom,

Call Ken Black or Cori Hoag at our office and they can forward you the SOQ. Also, if there are any other technical specialties that were not included in the SOQ they can supply people to fit.

It's a balmy morning here on the shores of of the Bering Sea..... Ice to the horizon....

I'll be back next Tuesday.

Dale  
Dale Ortman  
SRK Consulting  
520-444-9463  
Sent via BlackBerry

----- Original Message -----

From: Tom Furgason <tfurgason@swca.com>  
To: Ortman, Dale  
Cc: Beverley A Everson <beverson@fs.fed.us>  
Sent: Tue Mar 04 07:38:18 2008  
Subject: SOQ

Hi Dale,

Would it be possible to get an electronic copy of SRK's SOQ? Bev Everson would like to transmit your quals to some specialists in other offices for review. Ideally, we'd like the SOQ and resumes of key staff. I know that you are out this week, so let me know if there is somebody in the Tucson office that I should contact. Thanks.

Tom

[attachment "RosemontEIS\_SOQ.pdf" deleted by Beverley A Everson/R3/USDAFS]

**From:** [George McKay](#)  
**To:** [Beverley A Everson](#)  
**Cc:** [abelauskas@fs.fed.us](#); [aelek@fs.fed.us](#); [cablair@fs.fed.us](#); [ccleblanc@fs.fed.us](#); [dkriegel@fs.fed.us](#); [dsebesta@fs.fed.us](#); [ecuriel@fs.fed.us](#); [hschewel@fs.fed.us](#); [Jeremy J Sautter](#); [Kendall Brown](#); [ljones02@fs.fed.us](#); [Melinda D Roth](#); [mfarrell@fs.fed.us](#); [mreichard@swca.com](#); [rlaford@fs.fed.us](#); [rlefevre@fs.fed.us](#); [seanlockwood@fs.fed.us](#); [sldavis@fs.fed.us](#); [sshafiqullah@fs.fed.us](#); [temmett@fs.fed.us](#); [tfurgason@swca.com](#); [Walter Keyes](#); [William B Gillespie](#)  
**Subject:** Re: Barrel-Only Landform  
**Date:** 06/29/2010 03:21 PM

---

Is there a reason why this map does not show section and private ownership lines? It would make it a heck of a lot easier to orientate the alternative to the land ownership and real world if it did, especially for lands.

▼ [Beverley A Everson/R3/USDAFS](#)

**Beverley A  
Everson/R3/USDAFS**

06/29/2010 02:40 PM

To [abelauskas@fs.fed.us](#), [aelek@fs.fed.us](#), [cablair@fs.fed.us](#), [ccleblanc@fs.fed.us](#), [dkriegel@fs.fed.us](#), [dsebesta@fs.fed.us](#), [ecuriel@fs.fed.us](#), [gmckay@fs.fed.us](#), [hschewel@fs.fed.us](#), Kendall Brown/R3/USDAFS@FSNOTES, [ljones02@fs.fed.us](#), Melinda D Roth/R3/USDAFS@FSNOTES, [mfarrell@fs.fed.us](#), [mreichard@swca.com](#), [rlaford@fs.fed.us](#), [rlefevre@fs.fed.us](#), [seanlockwood@fs.fed.us](#), [sldavis@fs.fed.us](#), [sshafiqullah@fs.fed.us](#), [temmett@fs.fed.us](#), [tfurgason@swca.com](#), Walter Keyes/R3/USDAFS@FSNOTES, William B Gillespie/R3/USDAFS@FSNOTES, [Jeremy J Sautter/R3/USDAFS@FSNOTES](#)

cc

Subject Barrel-Only Landform

FYI. Also, we will be discussing this briefly in the IDT meeting tomorrow. I will send the link to the Scholefield footprint that we will also be discussing, briefly.

Beverley A. Everson  
Forest Geologist  
Coronado National Forest  
300 W. Congress Street, 6th Floor  
Tucson, AZ. 85701

Voice: 520-388-8428  
Fax: 520-388-8305

----- Forwarded by Beverley A Everson/R3/USDAFS on 06/29/2010 02:38 PM -----

"Dale Ortman PE"  
<[daleortmanpe@live.com](mailto:daleortmanpe@live.com)>

To ""Debby Kriegel"" <[dkriegel@fs.fed.us](mailto:dkriegel@fs.fed.us)>, ""Salek Shafiqullah""

06/27/2010 07:02 PM

<sshafiqullah@fs.fed.us>, <mbidwell@swca.com>, "Kathy Arnold"  
<karnold@rosemontcopper.com>, <fsamorano@rosemontcopper.com>,  
"Krizek, David" <David.Krizek@tetrattech.com>

cc "Beverley A Everson" <beverson@fs.fed.us>, <tfurgason@swca.com>,  
"Jonathan Rigg" <jrigg@swca.com>, "Melissa Reichard"  
<mreichard@swca.com>

Subject Barrel-Only Landform

All,

Attached is the latest landform topography developed by Rosemont for the Barrel-Only landform alternative. This landform has been developed through the joint efforts of the CNF, SWCA, Rosemont, and TetraTech and incorporates the following elements:

- Extension of the Upper Barrel drainage within the landform
- Multiple ridge landforms with differing elevations
- Potential for variable slopes on eastern flanks of the landform
- Potential for reduction in number of drainage control benches on eastern flank of landform
- Improved stormwater discharge control utilizing the extension of the Upper Barrel drainage
- Maintain overall 3:1 slopes with drainage benches on west side of landform to provide required storage capacity and maintain tailings placement operations
- Maintain waste rock perimeter buttress surrounding tailings
- Maintain encapsulation of the heap leach facility

The team has done an excellent job in the collaborative effort to develop this landform concept. I believe we have reached a point in the process where the landform concept should be turned over to Rosemont for final engineering development as the Barrel-Only Alternative for consideration in the DEIS. I recommend that, in addition to the general design objectives listed above, Rosemont develop the following during the final engineering:

- Confirm constructability of the landform
- Summarize the concurrent & final reclamation plan
-

- General layout of rock sub-drains & flow-through drains
- General stormwater control plan, including commitment to the design criteria currently in the Site Water Management Plan Update

In addition, I propose that we not meet on June 30<sup>th</sup> as currently scheduled but the team review the attached landform and provide any additional design objectives for Rosemont to include in the final engineering. Please get back to me ASAP with comments and any design objectives you believe should be included in the final design.

If you have any questions please email me or try the Utah phone listed below.

Regards,

Dale

---

Dale Ortman PE PLLC  
Consulting Engineer

(520) 896-2404 - Arizona Office  
(520) 449-7307 - Mobile  
(435) 682-2777 - Utah Office

[daleortmanpe@live.com](mailto:daleortmanpe@live.com)

PO Box 1233  
Oracle, AZ 85623

[attachment "Prelim Barrel\_Proposed Survey Area.pdf" deleted by George McKay/R3/USDAFS]

**From:** [Beverley A Everson](#)  
**To:** [Beverley A Everson](#)  
**Subject:** Fw: Barrel-Only Landform  
**Date:** 06/29/2010 03:57 PM

---

Beverley A. Everson  
Forest Geologist  
Coronado National Forest  
300 W. Congress Street, 6th Floor  
Tucson, AZ. 85701

Voice: 520-388-8428  
Fax: 520-388-8305

----- Forwarded by Beverley A Everson/R3/USDAFS on 06/29/2010 03:56 PM -----

**Salek  
Shafiqullah/R3/USDAFS**

06/29/2010 03:19 PM

To "Dale Ortman PE" <daleortmanpe@live.com>  
cc ""Beverley A Everson"" <beverson@fs.fed.us>, ""Krizek, David"" <David.Krizek@tetrattech.com>, ""Debby Kriegel"" <dkriegel@fs.fed.us>, fsamorano@rosemontcopper.com, ""Jonathan Rigg"" <jrigg@swca.com>, ""Kathy Arnold"" <karnold@rosemontcopper.com>, ""Marcie Bidwell"" <mbidwell@swca.com>, ""Melissa Reichard"" <mreichard@swca.com>, ""Tom Furgason"" <tfurgason@swca.com>  
Subject Re: FW: Barrel-Only Landform 

Hello Dale,

It appears that the Rosemont design team has modified the concept to create a new version as mutually agreed upon at the last meeting. I was under the assumption that the collaborative approach we had been using to discuss pros and cons of the concepts would continue with the proposed meeting scheduled for this week. I am wondering why this approach is being abandoned, as we have made positive strides in formulating a concept design which could please all the parties involved? From a quick review of just the drawing it is difficult to understand ALL the changes the design team has made as well as ALL the pros and cons of this concept.

Salek Shafiqullah, Hydrologist  
Coronado National Forest  
520-388-8377

**"Dale Ortman PE"**  
<daleortmanpe@live.com>

06/29/2010 10:12 AM

To ""Debby Kriegel"" <dkriegel@fs.fed.us>, ""Salek Shafiqullah"" <sshafiqullah@fs.fed.us>  
cc ""Beverley A Everson"" <beverson@fs.fed.us>, ""Tom Furgason"" <tfurgason@swca.com>, ""Melissa Reichard"" <mreichard@swca.com>,

""Jonathan Rigg"" <jrigg@swca.com>, ""Kathy Arnold""  
<karnold@rosemontcopper.com>, <fsamorano@rosemontcopper.com>,  
""Krizek, David"" <David.Krizek@tetrattech.com>, ""Marcie Bidwell""  
<mbidwell@swca.com>

Subject FW: Barrel-Only Landform

Debby & Salek,

I have not received a response to the recommendations in the email below. Please provide your input regarding the recommendations so that we may reach an expeditious conclusion to the team's efforts and proceed to a potential alternative for Reta's consideration.

Regards,

Dale

---

Dale Ortman PE PLLC  
Consulting Engineer

(520) 896-2404 - Arizona Office  
(520) 449-7307 - Mobile  
(435) 682-2777 - Utah Office

[daleortmanpe@live.com](mailto:daleortmanpe@live.com)

PO Box 1233  
Oracle, AZ 85623

**From:** Dale Ortman PE [mailto:daleortmanpe@live.com]  
**Sent:** Sunday, June 27, 2010 6:29 PM  
**To:** 'Debby Kriegel'; 'Salek Shafiqullah'; 'mbidwell@swca.com'; 'Kathy Arnold'; 'fsamorano@rosemontcopper.com'; 'Krizek, David'  
**Cc:** 'Beverley A Everson'; 'tfurgason@swca.com'; 'Jonathan Rigg'; 'Melissa Reichard'  
**Subject:** Barrel-Only Landform  
**Importance:** High

All,

Attached is the latest landform topography developed by Rosemont for the Barrel-Only landform alternative. This landform has been developed through the joint efforts of the CNF, SWCA, Rosemont, and TetraTech and incorporates the following elements:

- Extension of the Upper Barrel drainage within the landform
- Multiple ridge landforms with differing elevations
- Potential for variable slopes on eastern flanks of the landform
- Potential for reduction in number of drainage control benches on eastern flank of landform
- Improved stormwater discharge control utilizing the extension of the Upper Barrel drainage
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- Maintain encapsulation of the heap leach facility

The team has done an excellent job in the collaborative effort to develop this landform concept. I believe we have reached a point in the process where the landform concept should be turned over to Rosemont for final engineering development as the Barrel-Only Alternative for consideration in the DEIS. I recommend that, in addition to the general design objectives listed above, Rosemont develop the following during the final engineering:

- Confirm constructability of the landform
- Summarize the concurrent & final reclamation plan
- General layout of rock sub-drains & flow-through drains
- General stormwater control plan, including commitment to the design criteria currently in the Site Water Management Plan Update

In addition, I propose that we not meet on June 30<sup>th</sup> as currently scheduled but the team review the attached landform and provide any additional design objectives for Rosemont to include in the final engineering. Please get back to me ASAP with comments and any design objectives you believe should be included in the final design.

If you have any questions please email me or try the Utah phone listed below.

Regards,

Dale

---

Dale Ortman PE PLLC  
Consulting Engineer

(520) 896-2404 - Arizona Office  
(520) 449-7307 - Mobile  
(435) 682-2777 - Utah Office

[daleortmanpe@live.com](mailto:daleortmanpe@live.com)

PO Box 1233  
Oracle, AZ 85623

[attachment "Prelim Barrel\_Proposed Survey Area.pdf" deleted by Beverley A  
Everson/R3/USDAFS]

**From:** [Debby Kriegel](#)  
**To:** [tfurgason@swca.com](mailto:tfurgason@swca.com); [Melinda D Roth](#); [Beverley A Everson](#)  
**Subject:** Fw: Rosemont Landforming Assessment Proposal  
**Date:** 12/15/2009 10:46 AM

---

I'm not going to be in the office much for the rest of the month. Salek and I provided comments on George's proposal, and I'll assume that he will provide a revised version.

May I ask that one of you forward the new version to Horst (and cc me)?

Thanks.

----- Forwarded by Debby Kriegel/R3/USDAFS on 12/15/2009 10:44 AM -----

"Tom Furgason"  
<[tfurgason@swca.com](mailto:tfurgason@swca.com)>  
12/02/2009 08:31 AM

To "Debby Kriegel" <[dkriegel@fs.fed.us](mailto:dkriegel@fs.fed.us)>  
cc "Beverley A Everson" <[beverson@fs.fed.us](mailto:beverson@fs.fed.us)>, "Melinda D Roth" <[mroth@fs.fed.us](mailto:mroth@fs.fed.us)>  
Subject RE: FW: Rosemont Landforming Assessment Proposal

Feel free to send it to Horst if the Coronado is satisfied.

Tom

---

**From:** Debby Kriegel [<mailto:dkriegel@fs.fed.us>]  
**Sent:** Wednesday, December 02, 2009 7:22 AM  
**To:** Tom Furgason  
**Cc:** Beverley A Everson; Melinda D Roth  
**Subject:** Re: FW: Rosemont Landforming Assessment Proposal

I'd like to share this scope of work with Horst. Can I send this version to him? Or should I wait until everyone has reviewed it and revisions made? Please let me know. Thanks.

"Tom Furgason"  
<[tfurgason@swca.com](mailto:tfurgason@swca.com)>

12/01/2009 05:03 PM

To <beverson@fs.fed.us>, "Melinda D Roth" <mroth@fs.fed.us>, "Debby Kriegel" <dkriegel@fs.fed.us>

cc <rlaford@fs.fed.us>, <jsturgess@augustaresource.com>, "Dale Ortman " <daleortmanpe@live.com>

Subject FW: Rosemont Landforming Assessment Proposal

Bev,

Attached is Golder's SOW for your consideration. Please let me know ASAP if you feel that George missed anything. I have forwarded a copy with the costs to Rosemont for their consideration.

Tom

---

**From:** Kelley Cox  
**Sent:** Tuesday, December 01, 2009 4:51 PM  
**To:** Tom Furgason  
**Subject:** FW: Rosemont Landforming Assessment Proposal

For you -

*Kelley Cox*  
Senior Administrator  
**SWCA** Environmental Consultants  
343 W. Franklin Street  
Tucson, Arizona 85701  
Phone: 520-325-9194 Fax: 520-325-2033  
[www.swca.com](http://www.swca.com)  
Sound Science, Creative Solutions.®

---

**From:** Tom Furgason  
**Sent:** Tuesday, December 01, 2009 4:28 PM  
**To:** Kelley Cox  
**Subject:** FW: Rosemont Landforming Assessment Proposal

Kelley,

Can you please delete the last sheet and black out the cost estimate on Page 2?  
Thanks.

Tom

---

**From:** Annandale, George [mailto:George\_Annandale@golder.com]  
**Sent:** Monday, November 30, 2009 4:26 PM  
**To:** Tom Furgason  
**Cc:** Dale Ortman PE; Kidd, Dave; Melissa Reichard  
**Subject:** Rosemont Landforming Assessment Proposal

Tom

Please find attached the proposal for the landforming assessment.

I will appreciate it if you can let me know whether the client approved so that we can commence with the work.

Sincerely,

**George W. Annandale, D.Ing., P.E.** | Practice / Program Leader | **Golder Associates Inc.**

44 Union Blvd, Suite 300, Lakewood, Colorado, USA 80228

**T:** +1 (303) 980-0540 | **D:** +1-720-920-4612 | **F:** +1 (303) 985-2080 | **C:** +1 (720) 244-3865 | **E:** [george\\_annandale@golder.com](mailto:george_annandale@golder.com) | [www.golder.com](http://www.golder.com)

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**Please consider the environment before printing this email.**

[attachment "09381962 Ltr RosemontMinePropVer1RevB 30NOV09.pdf" deleted by Debby Kriegel/R3/USDAFS]

**From:** [Mary M. Farrell](#)  
**To:** [Reta Laford](#)  
**Cc:** [William B Gillespie](#); [Beverley A Everson](#); [Kent C Ellett](#)  
**Subject:** Re: Additional material you may need from EPG -Re: Rosemont EIS assignments due Friday 3/20 and Tues 3/24.  
**Date:** 03/20/2009 10:19 AM  
**Signed by:** CN=Mary M Farrell/OU=R3/O=USDAFS  
**Attachments:** [Rosemont Draft Siting Criteria 2-10-09\\_cultural\\_resources.doc](#)

---

Bill and I had one small change to their table, in the wording of the resource category for cultural resources :



Rosemont Draft Siting Criteria\_2-10-09\_cultural\_resources.doc

Mary M. Farrell  
Heritage Program Leader and Tribal Liaison  
Coronado National Forest  
300 W. Congress  
Tucson, AZ 85701  
(520) 388-8391  
(520) 388-8305 (fax)  
▼ [Reta Laford/R3/USDAFS](#)

**Reta Laford/R3/USDAFS**

03/19/2009 01:09 PM

To: Kent C Ellett/R3/USDAFS@FSNOTES, Alan Belauskas/R3/USDAFS@FSNOTES, Beverley A Everson/R3/USDAFS@FSNOTES, Debby Kriegel/R3/USDAFS@FSNOTES, Deborah K Sebesta/R3/USDAFS@FSNOTES, Eli Curiel/R3/USDAFS@FSNOTES, Jennifer Ruyle/R3/USDAFS@FSNOTES, Kendall Brown/R3/USDAFS@FSNOTES, Mary M Farrell/R3/USDAFS@FSNOTES, Robert Lefevre/R3/USDAFS@FSNOTES, Salek Shafiqullah/R3/USDAFS@FSNOTES, Sarah L Davis/R3/USDAFS@FSNOTES, Teresa Ann Ciapusci/R3/USDAFS@FSNOTES, Walter Keyes/R3/USDAFS@FSNOTES, William B Gillespie/R3/USDAFS@FSNOTES, Reta Laford/R3/USDAFS@FSNOTES

cc

Subject: Additional material you may need from EPG -Re: Rosemont EIS assignments due Friday 3/20 and Tues 3/24. 

Here is the additional information you may need . . .

**From:** Lauren Weinstein  
**Sent:** Thursday, March 19, 2009 8:57 AM  
**To:** Kent Ellett  
**Cc:** Teresa Ann Ciapusci (tciapusci@fs.fed.us); Jaime Wood; Chelsa Johnson  
**Subject:** Rosemont 138kV siting criteria information

Hi Kent and Teresa Ann,  
Attached are the siting criteria table and general descriptions of sensitivity

levels. Thank you for facilitating our receipt of any comments the Coronado National Forest Rosemont ID team may have on the sensitivity levels provided in the table. We look forward to hearing back from you by Friday, as you suggested. Even if there aren't any comments, please let us know that, too.

Thanks!  
Lauren

**Lauren Weinstein**  
Principal

**EPG**  
Environmental Planning Group  
Phoenix, Arizona  
602-956-4370 phone  
602-956-4374 fax  
<http://www.epgaz.com>

This e-mail, including any attachments, is intended only for the use of the individual or entity to which it is addressed. It may contain information that is attorney work product, privileged, confidential, exempt or otherwise protected from disclosure or use under applicable law. If you have received this e-mail in error, please notify the sender immediately by return e-mail, and delete this e-mail from all affected databases. Thank you.

[attachment "General siting criteria - Rosemont 2-10-09.pdf" deleted by Mary M Farrell/R3/USDAFS] [attachment "Rosemont Draft Siting Criteria\_2-10-09.doc" deleted by Mary M Farrell/R3/USDAFS]

Reta Laford, Deputy Forest Supervisor

USDA Forest Service, Coronado National Forest  
300 W Congress Street, Tucson, AZ 85701

Phone: 520-388-8307 (office), 505-452-7557 (cell)  
Fax: 520-388-8305  
Email: [rlaford@fs.fed.us](mailto:rlaford@fs.fed.us)

-----  
▼ Kent C Ellett/R3/USDAFS

**Kent C  
Ellett/R3/USDAFS**

03/18/2009 05:47 PM

To Alan Belauskas/R3/USDAFS@FSNOTES, Beverley A Everson/R3/USDAFS@FSNOTES, William B Gillespie/R3/USDAFS@FSNOTES, Robert Lefevre/R3/USDAFS@FSNOTES, Debby Kriegel/R3/USDAFS@FSNOTES, Deborah K Sebesta/R3/USDAFS@FSNOTES, Eli Curiel/R3/USDAFS@FSNOTES, Kendall Brown/R3/USDAFS@FSNOTES, Sarah L Davis/R3/USDAFS@FSNOTES, Salek Shafiqullah/R3/USDAFS@FSNOTES, Walter Keyes/R3/USDAFS@FSNOTES, Reta Laford/R3/USDAFS@FSNOTES, Teresa Ann Ciapusci/R3/USDAFS@FSNOTES, Jennifer Ruyle/R3/USDAFS@FSNOTES, Mary M Farrell/R3/USDAFS@FSNOTES

cc

Subject Rosemont EIS assignments due Friday 3/20 and Tues 3/24.

If you received this e-mail you probably have an assignment due Friday the 20th &/or next Tuesday the 24th.

**EPG - 138 kV Transmission Line: Due Friday**

We met with consultants EPG and SWCA today to discuss the proposed 138 kilovolt transmission line and the Cause & Effect/Issue Statements.

I've been waiting for EPG's Siting Criteria Worksheet and definition for the ratings (i.e., low, moderately low, moderate, etc.) to be emailed to me. It hasn't come yet. I'll check on it tomorrow so you have it to do your assignment of reviewing the proposed ratings and if you think an issue should be rated differently, state the rating it should have with your rationale and email it to me (Kent) by noon Friday so I can consolidate and send to EPG Friday afternoon.

1. **Debby Kriegel** to cover VQO and add SMS (Scenery Management System) and ROS (Recreation Opportunity Spectrum). Debby will get with the **GIS Shop** to provide GIS layers or shape files to EPG.
2. **Teresa Ann** assigned to send EPG the ftp site location for a GIS map with land uses designations and other special classifications such as T&E species critical habitat designations. Teresa Ann will coordinate with **Jennifer Ruyle**.
3. **Teresa Ann** to also get with **Erin Boyle** to address Wilderness.
4. **Kent** will coordinate with the **Heritage Shop** RE Cultural Resources.
5. **Larry Jones** and **Debbie Sebesta** to review Biological Resources section and provide their comments.
6. **Walt Keyes** to cover roads, particularly a new electricity line would need new service roads.

**SWCA - Cause & Effect/Issue Statements: Due Next Tuesday.**

Assignments: Send your comments to Bev with a cc to Rita and Teresa Ann by Tuesday afternoon so Bev can forward to SWCA Wednesday morning. This will give SWCA a couple days to review in preparation for the meeting with Rosemont on the 30th.

| Theme#                   | Description                          | Assigned To:                                 |
|--------------------------|--------------------------------------|----------------------------------------------|
| 31                       | Noise                                | Alan Belauskas                               |
| 52                       | Reclamation Plan                     | Bev with Walt making initial effort.         |
| 14                       | Archeology                           | Bill Gillespie with Mary Farrell over Tribal |
| 1, 3                     | Air Pollution                        | Bob Le Fevre                                 |
| 57                       | Riparian Vegetation                  | Bob Le Fevre                                 |
| 65                       | Soils                                | Bob Le Fevre                                 |
| 101                      | Wilderness                           | Debbie Kriegel with Laura White              |
| 56                       | Recreation                           | Debbie Kriegel                               |
| 84                       | Visual Resources                     | Debbie Kriegel                               |
| 69                       | Special Status Species               | Debbie Sebesta                               |
| 79                       | Vegetation                           | Debbie Sebesta                               |
| 83, 102, 103, 104, 105   | Wildlife Habitat                     | Debbie Sebesta with Larry Jones              |
| 91                       | Acid Rock Drainage                   | Eli Curiel                                   |
| 27, 28                   | Livestock Grazing                    | Kendall Brown                                |
| 80, 89 (Partial), 90, 93 | Mine Area Groundwater                | Salek with Walt making initial effort        |
| 92                       | Potential Pit Lake                   | Salek with Walt making initial effort        |
| 15, 61                   | Socioeconomics/Environmental Justice | Sarah Davis                                  |
| 25                       | Outdoor Lighting                     | Sarah Davis                                  |
| 74                       | Transportation                       | Walt Keyes                                   |
| 94                       | Storm Water Control                  | Walt Keyes                                   |

"Dismissed Themes" #95 & #68 may be combined pending Regional Office input.

I have several hard copies of the documents we reviewed today and will put them on Rita's table if you need one. Electronic documents are available on Webex. Please contact John Able or Melissa Reichard (SWCA) if you need assistance with Webex. Melissa's phone number is 520-325-2033 and email is mreichard@swca.com

Good meeting today. Thanks for your focus & participation. Rita, thanks for the bagels.

Kent C. Ellett  
District Ranger, Nogales RD  
303 Old Tucson Road, Nogales, AZ 85621  
520-761-6002 (w), 520-975-0902 (cell)

**From:** [Beverley A Everson](#)  
**To:** [George McKay](#)  
**Cc:** [abelauskas@fs.fed.us](#); [aelek@fs.fed.us](#); [cablair@fs.fed.us](#); [ccleblanc@fs.fed.us](#); [dkriegel@fs.fed.us](#); [dsebesta@fs.fed.us](#); [ecuriel@fs.fed.us](#); [hschewel@fs.fed.us](#); [Jeremy J Sautter](#); [Kendall Brown](#); [ljones02@fs.fed.us](#); [Melinda D Roth](#); [mfarrell@fs.fed.us](#); [mreichard@swca.com](#); [rlaford@fs.fed.us](#); [rlefevre@fs.fed.us](#); [seanlockwood@fs.fed.us](#); [sldavis@fs.fed.us](#); [sshafiqullah@fs.fed.us](#); [temmett@fs.fed.us](#); [tfurgason@swca.com](#); [Walter Keyes](#); [William B Gillespie](#); [Jeremy J Sautter](#); [jrigg@swca.com](#); [daleortmanpe@live.com](#)  
**Subject:** Re: Barrel-Only Landform  
**Date:** 06/29/2010 03:55 PM

---

Dale, Tom and Jonathan,

Can this info be added to the map?

Bev

Beverley A. Everson  
Forest Geologist  
Coronado National Forest  
300 W. Congress Street, 6th Floor  
Tucson, AZ. 85701

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Fax: 520-388-8305

▼ [George McKay/R3/USDAFS](#)

**George  
McKay/R3/USDAFS**

06/29/2010 03:21 PM

To: Beverley A Everson/R3/USDAFS@FSNOTES  
cc: [abelauskas@fs.fed.us](#), [aelek@fs.fed.us](#), [cablair@fs.fed.us](#), [ccleblanc@fs.fed.us](#), [dkriegel@fs.fed.us](#), [dsebesta@fs.fed.us](#), [ecuriel@fs.fed.us](#), [hschewel@fs.fed.us](#), [Jeremy J Sautter/R3/USDAFS@FSNOTES](#), [Kendall Brown/R3/USDAFS@FSNOTES](#), [ljones02@fs.fed.us](#), [Melinda D Roth/R3/USDAFS@FSNOTES](#), [mfarrell@fs.fed.us](#), [mreichard@swca.com](#), [rlaford@fs.fed.us](#), [rlefevre@fs.fed.us](#), [seanlockwood@fs.fed.us](#), [sldavis@fs.fed.us](#), [sshafiqullah@fs.fed.us](#), [temmett@fs.fed.us](#), [tfurgason@swca.com](#), [Walter Keyes/R3/USDAFS@FSNOTES](#), [William B Gillespie/R3/USDAFS@FSNOTES](#)

Subject: Re: Barrel-Only Landform 

Is there a reason why this map does not show section and private ownership lines? It would make it a heck of a lot easier to orientate the alternative to the land ownership and real world if it did, especially for lands.

▼ [Beverley A Everson/R3/USDAFS](#)

**Beverley A  
Everson/R3/USDAFS**

06/29/2010 02:40 PM

To abelauskas@fs.fed.us, aelek@fs.fed.us, cablair@fs.fed.us, ccleblanc@fs.fed.us, dkriegel@fs.fed.us, dsebesta@fs.fed.us, ecuriel@fs.fed.us, gmckay@fs.fed.us, hschewel@fs.fed.us, Kendall Brown/R3/USDAFS@FSNOTES, ljones02@fs.fed.us, Melinda D Roth/R3/USDAFS@FSNOTES, mfarrell@fs.fed.us, mreichard@swca.com, rlaford@fs.fed.us, rlefevre@fs.fed.us, seanlockwood@fs.fed.us, sldavis@fs.fed.us, sshafiqullah@fs.fed.us, temmett@fs.fed.us, tfurgason@swca.com, Walter Keyes/R3/USDAFS@FSNOTES, William B Gillespie/R3/USDAFS@FSNOTES, Jeremy J Sautter/R3/USDAFS@FSNOTES

cc

Subject Barrel-Only Landform

FYI. Also, we will be discussing this briefly in the IDT meeting tomorrow. I will send the link to the Scholefield footprint that we will also be discussing, briefly.

Beverley A. Everson  
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----- Forwarded by Beverley A Everson/R3/USDAFS on 06/29/2010 02:38 PM -----

**"Dale Ortman PE"**  
<daleortmanpe@live.com>

06/27/2010 07:02 PM

To ""Debby Kriegel"" <dkriegel@fs.fed.us>, ""Salek Shafiqullah"" <sshafiqullah@fs.fed.us>, <mbidwell@swca.com>, ""Kathy Arnold"" <karnold@rosemontcopper.com>, <fsamorano@rosemontcopper.com>, ""Krizek, David"" <David.Krizek@tetrattech.com>

cc ""Beverley A Everson"" <beverson@fs.fed.us>, <tfurgason@swca.com>, ""Jonathan Rigg"" <jrigg@swca.com>, ""Melissa Reichard"" <mreichard@swca.com>

Subject Barrel-Only Landform

All,

Attached is the latest landform topography developed by Rosemont for the Barrel-Only landform alternative. This landform has been developed through the joint efforts of the CNF, SWCA, Rosemont, and TetraTech and incorporates the following elements:

- Extension of the Upper Barrel drainage within the landform
- Multiple ridge landforms with differing elevations
- Potential for variable slopes on eastern flanks of the landform
- Potential for reduction in number of drainage control benches on eastern flank of landform
- Improved stormwater discharge control utilizing the extension of the Upper Barrel drainage
- Maintain overall 3:1 slopes with drainage benches on west side of landform to provide required storage capacity and maintain tailings placement operations
- Maintain waste rock perimeter buttress surrounding tailings
- Maintain encapsulation of the heap leach facility

The team has done an excellent job in the collaborative effort to develop this landform concept. I believe we have reached a point in the process where the landform concept should be turned over to Rosemont for final engineering development as the Barrel-Only Alternative for consideration in the DEIS. I recommend that, in addition to the general design objectives listed above, Rosemont develop the following during the final engineering:

- Confirm constructability of the landform
- Summarize the concurrent & final reclamation plan
- General layout of rock sub-drains & flow-through drains
- General stormwater control plan, including commitment to the design criteria currently in the Site Water Management Plan Update

In addition, I propose that we not meet on June 30<sup>th</sup> as currently scheduled but the team review the attached landform and provide any additional design objectives for Rosemont to include in the final engineering. Please get back to me ASAP with comments and any design objectives you believe should be included in the final design.

If you have any questions please email me or try the Utah phone listed below.

Regards,

Dale

---

Dale Ortman PE PLLC  
Consulting Engineer

(520) 896-2404 - Arizona Office

(520) 449-7307 - Mobile

(435) 682-2777 - Utah Office

[daleortmanpe@live.com](mailto:daleortmanpe@live.com)

PO Box 1233

Oracle, AZ 85623

[attachment "Prelim Barrel\_Proposed Survey Area.pdf" deleted by George McKay/R3/USDAFS]

**From:** [Mary M Farrell](#)  
**To:** [Mary M Farrell](#)  
**Cc:** [amy\\_sobiech@blm.gov](mailto:amy_sobiech@blm.gov); [Beverley A Everson](mailto:Beverley A Everson); [cindy\\_alvarez@blm.gov](mailto:cindy_alvarez@blm.gov); [gcheniae@cox.net](mailto:gcheniae@cox.net); [jammar@post.com](mailto:jammar@post.com); [jhesse@swca.com](mailto:jhesse@swca.com); [jsturgess@augustaresource.com](mailto:jsturgess@augustaresource.com); [jtjoaquin@hotmail.com](mailto:jtjoaquin@hotmail.com); [karnold@rosemontcopper.com](mailto:karnold@rosemontcopper.com); [Kent C Ellett](mailto:Kent C Ellett); [Linda.Mayro@pw.pima.gov](mailto:Linda.Mayro@pw.pima.gov); [Loy Neff](mailto:Loy Neff); [Melinda D Roth](mailto:Melinda D Roth); [psteere@toua.net](mailto:psteere@toua.net); [sgriset@swca.com](mailto:sgriset@swca.com); [Teresa Ann Ciapusci](mailto:Teresa Ann Ciapusci); [William B Gillespie](mailto:William B Gillespie); [tfurgason@swca.com](mailto:tfurgason@swca.com)  
**Subject:** Agenda for June 17, 1-4 pm, Rosemont Cooperating Agencies Heritage sub-group meeting  
**Date:** 06/17/2010 09:40 AM  
**Attachments:** [2010-06-17\\_Heritage\\_Subgroup\\_Agenda.docx](#)

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2010-06-17\_Heritage\_Subgroup\_Agenda.docx

Looking forward to seeing those of you who can come, at the Federal Building, 300 W. Congress, Room 4B.

(consider bringing a sweater, it's air-conditioned!)

Mary M. Farrell  
Heritage Program Leader and Tribal Liaison  
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▼ [Mary M Farrell/R3/USDAFS](#)

**Mary M  
Farrell/R3/USDAFS**

06/14/2010 01:56 PM

To Mary M Farrell/R3/USDAFS

cc amy\_sobiech@blm.gov, cindy\_alvarez@blm.gov, gcheniae@cox.net, jammar@post.com, jhesse@swca.com, jsturgess@augustaresource.com, jtjoaquin@hotmail.com, karnold@rosemontcopper.com, Kent C Ellett/R3/USDAFS@FSNOTES, Linda.Mayro@pw.pima.gov, "Loy Neff" <Loy.Neff@pw.pima.gov>, psteere@toua.net, sgriset@swca.com, Teresa Ann Ciapusci/R3/USDAFS@FSNOTES, William B Gillespie/R3/USDAFS@FSNOTES, Melinda D Roth/R3/USDAFS@FSNOTES, Beverley A Everson/R3/USDAFS@FSNOTES

Subject Proposed agenda for June 17 Rosemont Cooperating Agencies Heritage sub-group meeting 

Hello, all,

I heard back from Loy and Peter that the afternoon of June 17 would work for our next sub-group meeting, but that was a while back so

let's double-check. Here's the proposed agenda, let me know if you can come!

thanks,  
Mary

## **Rosemont Copper Project EIS Cooperating Agency Heritage Subgroup Coordination Meeting 06/17/2010 Proposed Agenda**

**Location:** Federal Building, 300 West Congress, Tucson, Arizona, Room 4B

**Facilitators:** Mary Farrell, Coronado National Forest and Suzanne Griset, SWCA

**Time:** 1 to 4 p.m.

### **Topics to discuss**

**Welcome, Introductions**

**Update on alternatives**

**Update on DEIS and EIS schedule**

**Review of NHPA compliance process, and how best to fit the various steps of that process with the NEPA process**

**Continued discussion of possible mitigation measures and defining area(s) to estimate cumulative effects.**

[attachment "2010-06-170\_Draft\_Heritage\_Subgroup\_Agenda.docx" deleted by Mary M Farrell/R3/USDAFS]

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▼ Mary M Farrell/R3/USDAFS

**Mary M  
Farrell/R3/USDAFS**

05/14/2010 10:29 AM

To Mary M Farrell/R3/USDAFS  
cc amy\_sobiech@blm.gov, cindy\_alvarez@blm.gov,  
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sgriset@swca.com, Teresa Ann  
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TFOWEB\_AZ@blm.gov, William B  
Gillespie/R3/USDAFS@FSNOTES

Subject How about June 17 for Rosemont Cooperating  
Agencies Heritage sub-group meeting ? 

The next regular cooperating agencies meeting is scheduled for the morning of June 17. How about if we at least tentatively schedule our heritage sub-group meeting for that afternoon, provided that the regular meeting doesn't have to go all day?

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thanks.

Mary

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▼ Mary M Farrell/R3/USDAFS

**Mary M  
Farrell/R3/USDAFS**

05/13/2010 11:32 AM

To Linda Mayro, Loy Neff, Peter Steere, joe joaquin, Jim  
Ayes, Kent C Ellett/R3/USDAFS,  
TFOWEB\_AZ@blm.gov, amy\_sobiech@blm.gov,  
cindy\_alvarez@blm.gov, jamie sturgess, Kathy Arnold,  
gcheniae@cox.net

cc sgriset@swca.com, jhesse@swca.com, William B  
Gillespie/R3/USDAFS@FSNOTES, Teresa Ann  
Ciapusci/R3/USDAFS@FSNOTES

Subject No Rosemont Cooperating Agencies Heritage sub-  
group meeting May 14

hello, team,

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Gordon, is there some day between June 7 and 18 that would be convenient for you to be in town?

Mary

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Heritage Program Leader and Tribal Liaison  
Coronado National Forest  
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(520) 388-8391  
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**From:** [Mary M Farrell](#)  
**To:** [Mary M Farrell](#)  
**Cc:** [amy\\_sobiech@blm.gov](mailto:amy_sobiech@blm.gov); [Beverley A Everson](mailto:Beverley A Everson); [cindy\\_alvarez@blm.gov](mailto:cindy_alvarez@blm.gov); [gcheniae@cox.net](mailto:gcheniae@cox.net); [jammar@post.com](mailto:jammar@post.com); [jhesse@swca.com](mailto:jhesse@swca.com); [jsturgess@augustaresource.com](mailto:jsturgess@augustaresource.com); [jtjoaquin@hotmail.com](mailto:jtjoaquin@hotmail.com); [karnold@rosemontcopper.com](mailto:karnold@rosemontcopper.com); [Kent C Ellett](mailto:Kent C Ellett); [Linda.Mayro@pw.pima.gov](mailto:Linda.Mayro@pw.pima.gov); [Loy Neff](mailto:Loy Neff); [Melinda D Roth](mailto:Melinda D Roth); [psteere@toua.net](mailto:psteere@toua.net); [sgriset@swca.com](mailto:sgriset@swca.com); [Teresa Ann Ciapusci](mailto:Teresa Ann Ciapusci); [William B Gillespie](mailto:William B Gillespie); [tfurgason@swca.com](mailto:tfurgason@swca.com)  
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Mary M. Farrell  
Heritage Program Leader and Tribal Liaison  
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▼ [Mary M Farrell/R3/USDAFS](#)

**Mary M  
Farrell/R3/USDAFS**

06/14/2010 01:56 PM

To Mary M Farrell/R3/USDAFS

cc amy\_sobiech@blm.gov, cindy\_alvarez@blm.gov, gcheniae@cox.net, jammar@post.com, jhesse@swca.com, jsturgess@augustaresource.com, jtjoaquin@hotmail.com, karnold@rosemontcopper.com, Kent C Ellett/R3/USDAFS@FSNOTES, Linda.Mayro@pw.pima.gov, "Loy Neff" <Loy.Neff@pw.pima.gov>, psteere@toua.net, sgriset@swca.com, Teresa Ann Ciapusci/R3/USDAFS@FSNOTES, William B Gillespie/R3/USDAFS@FSNOTES, Melinda D Roth/R3/USDAFS@FSNOTES, Beverley A Everson/R3/USDAFS@FSNOTES

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Mary M. Farrell  
Heritage Program Leader and Tribal Liaison  
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▼ Mary M Farrell/R3/USDAFS

**Mary M  
Farrell/R3/USDAFS**

05/14/2010 10:29 AM

To Mary M Farrell/R3/USDAFS

cc amy\_sobiech@blm.gov, cindy\_alvarez@blm.gov,  
gcheniae@cox.net, jammar@post.com,  
jhesse@swca.com, jsturgess@augustaresource.com,  
jtjoaquin@hotmail.com, karnold@rosemontcopper.com,  
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sgriset@swca.com, Teresa Ann  
Ciapusci/R3/USDAFS@FSNOTES,  
TFOWEB\_AZ@blm.gov, William B  
Gillespie/R3/USDAFS@FSNOTES

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▼ Mary M Farrell/R3/USDAFS

**Mary M  
Farrell/R3/USDAFS**

05/13/2010 11:32 AM

To Linda Mayro, Loy Neff, Peter Steere, joe joaquin, Jim  
Ayes, Kent C Ellett/R3/USDAFS,  
TFOWEB\_AZ@blm.gov, amy\_sobiech@blm.gov,  
cindy\_alvarez@blm.gov, jamie sturgess, Kathy Arnold,  
gcheniae@cox.net

cc sgriset@swca.com, jhesse@swca.com, William B  
Gillespie/R3/USDAFS@FSNOTES, Teresa Ann  
Ciapusci/R3/USDAFS@FSNOTES

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Heritage Program Leader and Tribal Liaison  
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**From:** [Beverley A Everson](#)  
**To:** [Beverley A Everson](#)  
**Subject:** Fw: Barrel-Only Landform - Debby's comments  
**Date:** 06/29/2010 12:54 PM

---

Beverley A. Everson  
Forest Geologist  
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----- Forwarded by Beverley A Everson/R3/USDAFS on 06/29/2010 12:53 PM -----

**Debby  
Kriegel/R3/USDAFS**

06/29/2010 11:30 AM

To "Dale Ortman PE" <daleortmanpe@live.com>  
cc ""Beverley A Everson"" <beverson@fs.fed.us>, ""Krizek, David"" <David.Krizek@tetrattech.com>, fsamorano@rosemontcopper.com, ""Jonathan Rigg"" <jrigg@swca.com>, ""Kathy Arnold"" <karnold@rosemontcopper.com>, ""Marcie Bidwell"" <mbidwell@swca.com>, ""Melissa Reichard"" <mreichard@swca.com>, ""Salek Shafiqullah"" <sshafiqullah@fs.fed.us>, ""Tom Furgason"" <tfurgason@swca.com>, Debby Kriegel/R3/USDAFS@FSNOTES

Subject Re: FW: Barrel-Only Landform 

Dale (and all),

I'm ok with not having a meeting tomorrow.

I've briefly looked at the new drawing and although it looks better, I'm confused about the numerous double contour lines and contour lines that cross one another. Can someone explain what these are showing?

I plan to meet with Salek to discuss this alternative further. I would like to provide a consolidated FS comments and recommendations in writing within a week. I do not consider this a "conclusion to the team's efforts", though maybe it'll be a slightly different team moving forward.

Thanks.

~~~~~  
Debby Kriegel, RLA
Landscape Architect
Coronado National Forest
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(520) 388-8427
Fax (520) 388-8305
www.fs.fed.us/r3/coronado/
dkriegel@fs.fed.us

"Dale Ortman PE"
<daleortmanpe@live.com>

06/29/2010 10:12 AM

To ""Debby Kriegel"" <dkriegel@fs.fed.us>, ""Salek Shafiqullah""
<sshafiqullah@fs.fed.us>

cc ""Beverley A Everson"" <beverson@fs.fed.us>, ""Tom Furgason""
<tfurgason@swca.com>, ""Melissa Reichard"" <mreichard@swca.com>,
""Jonathan Rigg"" <jrigg@swca.com>, ""Kathy Arnold""
<karnold@rosemontcopper.com>, <fsamorano@rosemontcopper.com>,
""Krizek, David"" <David.Krizek@tetrattech.com>, ""Marcie Bidwell""
<mbidwell@swca.com>

Subject FW: Barrel-Only Landform

Debby & Salek,

I have not received a response to the recommendations in the email below. Please provide your input regarding the recommendations so that we may reach an expeditious conclusion to the team's efforts and proceed to a potential alternative for Reta's consideration.

Regards,

Dale

Dale Ortman PE PLLC
Consulting Engineer

(520) 896-2404 - Arizona Office
(520) 449-7307 - Mobile
(435) 682-2777 - Utah Office

daleortmanpe@live.com

PO Box 1233
Oracle, AZ 85623

From: Dale Ortman PE [mailto:daleortmanpe@live.com]
Sent: Sunday, June 27, 2010 6:29 PM
To: 'Debby Kriegel'; 'Salek Shafiqullah'; 'mbidwell@swca.com'; 'Kathy Arnold'; 'fsamorano@rosemontcopper.com'; 'Krizek, David'
Cc: 'Beverley A Everson'; 'tfurgason@swca.com'; 'Jonathan Rigg'; 'Melissa Reichard'
Subject: Barrel-Only Landform
Importance: High

All,

Attached is the latest landform topography developed by Rosemont for the Barrel-Only landform alternative. This landform has been developed through the joint efforts of the CNF, SWCA, Rosemont, and TetraTech and incorporates the following elements:

- Extension of the Upper Barrel drainage within the landform
- Multiple ridge landforms with differing elevations
- Potential for variable slopes on eastern flanks of the landform
- Potential for reduction in number of drainage control benches on eastern flank of landform
- Improved stormwater discharge control utilizing the extension of the Upper Barrel drainage
- Maintain overall 3:1 slopes with drainage benches on west side of landform to provide required storage capacity and maintain tailings placement operations
- Maintain waste rock perimeter buttress surrounding tailings
- Maintain encapsulation of the heap leach facility

The team has done an excellent job in the collaborative effort to develop this landform concept. I believe we have reached a point in the process where the landform concept should be turned over to Rosemont for final engineering development as the Barrel-Only Alternative for consideration in the DEIS. I recommend that, in addition to the general design objectives listed above, Rosemont develop the following during the final engineering:

- Confirm constructability of the landform
- Summarize the concurrent & final reclamation plan
- General layout of rock sub-drains & flow-through drains
- General stormwater control plan, including commitment to the design criteria currently in the Site Water Management Plan Update

In addition, I propose that we not meet on June 30th as currently scheduled but the team review the attached landform and provide any additional design objectives for Rosemont to include in the final engineering. Please get back to me ASAP with comments and any design objectives you believe should be included in the final design.

If you have any questions please email me or try the Utah phone listed below.

Regards,

Dale

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Consulting Engineer

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[attachment "Prelim Barrel_Proposed Survey Area.pdf" deleted by Beverley A
Everson/R3/USDAFS]

From: [Beverley A Everson](#)
To: beverson@fs.fed.us
Subject: Fw: Rosemont 138kV Transmission Line Project - Alternative Route Materials For Stakeholder Group Meeting #4
Date: 03/30/2010 01:40 PM

Beverley A. Everson
Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

Voice: 520-388-8428
Fax: 520-388-8305

----- Forwarded by Beverley A Everson/R3/USDAFS on 03/30/2010 01:37 PM -----

**Duane A
Bennett/R3/USDAFS**

03/30/2010 08:05 AM

To: Beverley A Everson/R3/USDAFS@FSNOTES
cc: Celeste A Gordon/R3/USDAFS@FSNOTES, George McKay/R3/USDAFS@FSNOTES, Kent C Ellett/R3/USDAFS@FSNOTES, Melinda D Roth/R3/USDAFS@FSNOTES, Tami Emmett/R3/USDAFS@FSNOTES, Teresa Ann Ciapusci/R3/USDAFS@FSNOTES
Subject: Re: Fw: Rosemont 138kV Transmission Line Project - Alternative Route Materials For Stakeholder Group Meeting #4 

Usually, the proponent pays for the construction of the line, but the line normally goes on TEP's permit. That's not always the case though, such as in the case of Red Mtn & Verizon where Verizon built it but the power company refuses to take ownership of it.

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▼ [Beverley A Everson/R3/USDAFS](#)

**Beverley A
Everson/R3/USDAFS**

03/29/2010 09:59 AM

To: Celeste A Gordon/R3/USDAFS@FSNOTES, Melinda D Roth/R3/USDAFS@FSNOTES, Teresa Ann Ciapusci/R3/USDAFS@FSNOTES, Kent C Ellett/R3/USDAFS@FSNOTES
cc: Duane A Bennett/R3/USDAFS@FSNOTES, George McKay/R3/USDAFS@FSNOTES, Tami Emmett/R3/USDAFS@FSNOTES
Subject: Re: Fw: Rosemont 138kV Transmission Line Project - Alternative Route Materials For Stakeholder Group

Good question. The line belongs to TEP and they will be responsible for maintenance, but I assume Rosemont will need a special use permit for the areas where the line crosses the Forest.

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▼ Celeste A Gordon/R3/USDAFS

**Celeste A
Gordon/R3/USDAFS**

03/29/2010 09:05 AM

To George McKay/R3/USDAFS@FSNOTES
cc Beverley A Everson/R3/USDAFS@FSNOTES, Duane A Bennett/R3/USDAFS@FSNOTES, Tami Emmett/R3/USDAFS@FSNOTES
Subject Re: Fw: Rosemont 138kV Transmission Line Project - Alternative Route Materials For Stakeholder Group
Meeting #4 

Thanks George,

Do you or Bev know if this ever got resolved as to who would be responsible for the line once built? Will it be an amendment to the Tucson Electric Power permit, will it be a new permit under Rosemont Mining Co. name, or someone else??....Thks cg

Celeste Gordon
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Recreation/Special Uses Program Manager
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email: cgordon@fs.fed.us

▼ George McKay/R3/USDAFS

**George
McKay/R3/USDAFS**

03/27/2010 07:38 AM

To Celeste A Gordon/R3/USDAFS@FSNOTES, Duane A Bennett/R3/USDAFS@FSNOTES, Tami Emmett/R3/USDAFS@FSNOTES
cc Beverley A Everson/R3/USDAFS@FSNOTES

Subject Fw: Rosemont 138kV Transmission Line Project -
Alternative Route Materials For Stakeholder Group
Meeting #4

Celeste and Duane, I noticed neither of you where in the loop for this and thought it was important you where. Bev, I would suggest you add Celeste and Duane to your mailing list for the transmission line. If a decision is made to permit the line, special uses would be responsible for the permit process . I also noticed Tami was not on your mailing list and would suggest adding her also.

----- Forwarded by George McKay/R3/USDAFS on 03/27/2010 07:25 AM -----

**Beverley A
Everson/R3/USDAFS**

03/26/2010 01:00 PM

To abelauskas@fs.fed.us, aelek@fs.fed.us,
cablair@fs.fed.us, ccleblanc@fs.fed.us,
dkriegel@fs.fed.us, dsebesta@fs.fed.us,
ecuriel@fs.fed.us, gmckay@fs.fed.us,
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seanlockwood@fs.fed.us, sldavis@fs.fed.us,
sshafiqullah@fs.fed.us, temmett@fs.fed.us,
tfurgason@swca.com, Walter
Keyes/R3/USDAFS@FSNOTES, wgillespie@fs.fed.us

cc

Subject Fw: Rosemont 138kV Transmission Line Project -
Alternative Route Materials For Stakeholder Group
Meeting #4

FYI, on powerline routes.

Beverley A. Everson
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----- Forwarded by Teresa Ann Ciapusci/R3/USDAFS on 03/04/2010 06:50 AM -----

"Emily Belts"
<EBelts@epgaz.com>

03/03/2010 05:59 PM

To <husman@ag.arizona.edu>, <chris.kaselemis@tucsonaz.gov>,
<daniel_j_moore@blm.gov>, <emerald5@cox.net>,
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<beverson@fs.fed.us>, <tciapusci@fs.fed.us>, <cindy_alvarez@blm.gov>, <vailaz@hotmail.com>

cc <tubaclawyer@aol.com>, <linda_hughes@blm.gov>, <mweinberg@diamondvsn.com>, <tfurgason@swca.com>, <gcheniae@cox.net>, "Lauren Weinstein" <Lweinst@epgaz.com>, "Cory Pintor" <cpintor@tep.com>, <EBakken@Tep.com>, <EBeck@Tep.com>, "Jason D. Gellman" <jgellman@rdp-law.com>, <jsalkowski@uns.com>, "Kathy Arnold" <karnold@rosemontcopper.com>, <law@krsaline.com>, "Lee Aitken" <LAitken@tep.com>, <LLucero@tep.com>, "Matt Derstine" <mderstine@rdp-law.com>, <MFarahani@TEP.Com>, <MJerden@tep.com>, "Patrick Black" <pblack@fclaw.com>, <sbreslin@tep.com>, <RBelval@tep.com>, <PNRConsulting@cox.net>, "Paul Treter" <ptrente@epgaz.com>, "Chelsa Johnson" <Cjohnson@epgaz.com>, "Marc Schwartz" <mschwartz@epgaz.com>

Subject Rosemont 138kV Transmission Line Project - Alternative Route Materials For Stakeholder Group Meeting #4

Hello All,

Attached is a table and set of draft maps showing the alternative route families we are recommending to be carried forward and will be reviewing with you on Friday, March 5 at our Stakeholder Group Meeting.

We have narrowed down the number of alternative route families and will be discussing these on Friday. The table contains a list of the recommended alternative routes by route family and space next to each route for your comments. We will allow time (a later date) after the meeting for you to provide your comments on each of the routes – we'll provide you with a requested due date when we meet on Friday. Along with the table are maps showing the different alternatives for your use in filling in the table.

Any comments that you can provide on Friday will be helpful though you will have time after the meeting, as previously mentioned.

We look forward to seeing you on Friday and hearing your ideas and suggestions.

Thanks,

Emily Belts
Environmental Planner

EPG
Environmental Planning Group
Phoenix, Arizona
602-956-4370 phone

602-956-4374 fax

<http://www.epgaz.com>

This e-mail, including any attachments, is intended only for the use of the individual or entity to which it is addressed. It may contain information that is attorney work product, privileged, confidential, exempt or otherwise protected from disclosure or use under applicable law. If you have received this e-mail in error, please notify the sender immediately by return e-mail, and delete this e-mail from all affected databases. Thank you.

[attachment "Alternative Routes.pdf" deleted by Beverley A Everson/R3/USDAFS]

[attachment "Alternative Routes_stakeholder Comments.doc" deleted by Beverley A Everson/R3/USDAFS]

From: [Melinda D Roth](#)
To: jrigg@swca.com
Cc: [Reta Laford](#); [Beverley A Everson](#)
Subject: Fw: Rosemont Copper DEIS Outline - Jackie A input
Date: 05/25/2010 08:04 AM

Jackie Andrew's, RO NEPA person, outline review comments...

Mindee Roth
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(520) 388-8305 (FAX)

----- Forwarded by Melinda D Roth/R3/USDAFS on 05/25/2010 08:02 AM -----

**Jackie C
Andrew/R3/USDAFS** To Melinda D Roth/R3/USDAFS@FSNOTES
cc
05/25/2010 06:37 AM Subject Re: Rosemont Copper DEIS Outline 

This looks fine, I hesitate to tell you that the Summary Effects table from each section should be used in Chapter 2. The table in Chapter 2 should be as clear and simple as possible, maybe just the primary indicator for each resource included. If it gets too complicated, it will be useless.

Jackie C. Andrew
NEPA Coordinator
Southwestern Region
telephone: 505-842-3256
▼ [Melinda D Roth/R3/USDAFS](#)

**Melinda D
Roth/R3/USDAFS** To Jackie C Andrew/R3/USDAFS@FSNOTES
cc
05/24/2010 04:50 PM Subject Rosemont Copper DEIS Outline

Attached is the DEIS outline we are moving forward with. Can you give it a quick review. We are currently reviewing a Draft Chapter 2 (proposed action only) and could use specific comments on the organization of that chapter ASAP. Thanks.

[attachment "Desser Rosemont Outline chapters 1 and 2.docx" deleted by Melinda D Roth/R3/USDAFS] [attachment "Chapter 3 Outline supplements Rochelles version.docx" deleted by Melinda D Roth/R3/USDAFS]

From: [Debby Kriegel](#)
To: [Melinda D Roth](#); [Beverley A Everson](#)
Subject: Fw: List of Past, Present, and Future Actions for Rosemont EIS
Date: 11/05/2009 03:59 PM

Input from Duane.

----- Forwarded by Debby Kriegel/R3/USDAFS on 11/05/2009 03:58 PM -----

**Duane A
Bennett/R3/USDAFS** To Debby Kriegel/R3/USDAFS@FSNOTES
cc
11/05/2009 03:27 PM Subject Re: List of Past, Present, and Future Actions for
Rosemont EIS 

Hey Debby;

We finally got around to looking at permitted activities that might be impacted by the mine. There is a road easement issued to Phelps Dodge in the cross-hatched area. Rosemont owns that property but hasn't applied for an easement to them. We have annually issued permits to a equestrian group and running group as well as a permit to Polaris to hold an ATV class for their dealers in Tucson. There was one permit for filming that utilized roads through the area to get to the filming location.

That's about it. Sorry it took so long.

Duane

Duane A. Bennett
Zone Lands & Special Uses Staff
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5990 S. Hwy. 92, Hereford, AZ 85615
Phone: (520) 803-2838
Fax: (520) 378-0519
E-mail: dabennett@fs.fed.us
▼ [Debby Kriegel/R3/USDAFS](#)

**Debby
Kriegel/R3/USDAFS** To Duane A Bennett/R3/USDAFS@FSNOTES
cc
10/28/2009 07:46 AM Subject Re: List of Past, Present, and Future Actions for
Rosemont EIS 

Here's a map of the general project area. Each resource needs to consider what the appropriate bounds of analysis are. What direct, indirect, and cumulative effects will there be? For archaeology, it might just be the footprint of the mine. For recreation it's the whole forest. On the attached map there is a red hatched area, and pretty much all of the direct impacts will be within this area. However, if you think the mine could effect special uses elsewhere in the EMA, include those permittees too. For example, if the equestrian outfitter guide can't ride near Rosemont for 20+ years, would they ride elsewhere on the forest and cause problems to another permittee? In the public comments received, one stated that the project might effect a hang gliding permittee in Box Canyon. If in doubt, put it on the list. It's easy to delete things later if they're not applicable. Call if you have questions. Thanks!

[attachment "map.bmp" deleted by Duane A Bennett/R3/USDAFS]

▼ Duane A Bennett/R3/USDAFS

**Duane A
Bennett/R3/USDAFS**

To Debby Kriegel/R3/USDAFS@FSNOTES
cc

10/27/2009 09:29 PM

Subject Re: List of Past, Present, and Future Actions for
Rosemont EIS 

Debby:

Can you provide me with a map of the effected area. We have uses in the Gardener/Fish/Ophir Gulch areas. Occasionally we have equestrian rides to the north near the Rosemont area. I can't be sure until I have a map.

Thanks. Duane

Duane A. Bennett
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E-mail: dabennett@fs.fed.us

▼ Debby Kriegel/R3/USDAFS

**Debby
Kriegel/R3/USDAFS**

To Kent C Ellett/R3/USDAFS@FSNOTES, Larry
Pratt/R3/USDAFS@FSNOTES, Duane A
Bennett/R3/USDAFS@FSNOTES

10/27/2009 10:19 AM

cc

Subject List of Past, Present, and Future Actions for Rosemont EIS

Celeste just called and we discussed this task for the Rosemont IDT. Attached is the table we'll be using to identify actions for cumulative effects analysis for Rosemont. Each team member is supposed to enter projects for their resources.

Larry: I am completing this table for Recreation, so you don't need to do anything.

Duane: We need a little input from special uses. Can you provide a list of special use permits that might be effected by Rosemont and/or could contribute to cumulative effects?

Kent: Sound ok?

----- Forwarded by Debby Kriegel/R3/USDAFS on 10/27/2009 10:11 AM -----

**Beverley A
Everson/R3/USDAFS**

10/19/2009 06:55 PM

To aelek@fs.fed.us, dkriegel@fs.fed.us, dsebesta@fs.fed.us, ecuriel@fs.fed.us, gmckay@fs.fed.us, kbrown03@fs.fed.us, kellett@fs.fed.us, ljones02@fs.fed.us, Mary M Farrell/R3/USDAFS@FSNOTES, Melinda D Roth/R3/USDAFS@FSNOTES, mreichard@swca.com, rlefevre@fs.fed.us, sldavis@fs.fed.us, sshafiqullah@fs.fed.us, temmett@fs.fed.us, Walter Keyes/R3/USDAFS@FSNOTES, William B Gillespie/R3/USDAFS@FSNOTES, Deborah K Sebesta/R3/USDAFS@FSNOTES

cc

Subject Fw: Catalog of Activities Form

For past, present and (reasonably foreseeable) future actions homework.

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Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

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Fax: 520-388-8305

From: [Beverley A Everson](#)
To: [Beverley A Everson](#)
Subject: Fw: Chapter 1 Status?
Date: 08/27/2010 03:49 PM

See documents in Chapter 1 file for two enclosures.

Beverley A. Everson
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----- Forwarded by Beverley A Everson/R3/USDAFS on 08/27/2010 03:48 PM -----

**Melinda D
Roth/R3/USDAFS**

To: Beverley A Everson/R3/USDAFS@FSNOTES
cc

08/27/2010 02:03 PM

Subject: Fw: Chapter 1 Status?

We're shooting to review with Reta on Tuesday am. Seems reasonable that we could have a good draft product for IDT review next week too. There were quite a few comments on the issues/measures.

Mindee Roth
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----- Forwarded by Melinda D Roth/R3/USDAFS on 08/27/2010 02:01 PM -----

**"Tom Furgason"
<tfurgason@swca.com>**

To: "Melinda D Roth" <mroth@fs.fed.us>
cc: <tjchute@msn.com>, "Reta Lafort" <rlafort@fs.fed.us>, "Jonathan Rigg" <jrigg@swca.com>

08/27/2010 12:43 PM

Subject: RE: Chapter 1 Status?

Mindee,

We are incorporating Region's comments today. Attached is the tracking sheet for the comments and the Chapter 1 as it stands. I highlighted the Corps suggested comments in blue. For the remaining Cooperators, I changed the author's name in Track Changes and you can see the commenter's name by putting the cursor over the comment. There are some comments that I will need Coronado's direction on (see the rows highlighted in green on the .xls table).

I'd like to sit down with you and Reta early next week to discuss how you want to handle the outstanding comments. I don't think it will take long to resolve these.

Tom

From: Melinda D Roth [mailto:mroth@fs.fed.us]
Sent: Friday, August 27, 2010 10:47 AM
To: Tom Furgason
Cc: tjchute@msn.com; Reta Laford
Subject: Chapter 1 Status?

Tom, You told me earlier this week that you expected to wrap up your Chapter 1 work by mid-week. Can you give me an update with a date and what you see as the next steps in wrapping Chapter 1 up?

Mindee Roth
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Tucson, AZ 85701
(520) 388-8319
(520) 396-0715 (cell)
(520) 388-8305 (FAX)[attachment "2010 07 15 Chapter1 draft 082610_tf.docx"
deleted by Beverley A Everson/R3/USDAFS]

From: [Melinda D Roth](#)
To: tfurgason@swca.com
Cc: [Rochele Desser](#); [Beverley A Everson](#)
Subject: Fw: DEIS outline suggestion...
Date: 06/08/2010 08:42 AM

Larry's and Geoff's suggestions don't look like show stoppers to me. What do you think?

Mindee Roth
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----- Forwarded by Melinda D Roth/R3/USDAFS on 06/08/2010 08:41 AM -----

**Larry
Jones/R3/USDAFS**

To: Beverley A Everson/R3/USDAFS@FSNOTES, Melinda D
Roth/R3/USDAFS@FSNOTES, Reta
Laford/R3/USDAFS@FSNOTES

06/07/2010 04:23 PM

cc

Subject: DEIS outline suggestion...

So, I primed Bev on this, and want to share with Mindee and Reta. I met with Geoff Soroka, my bio counterpart at SWCA, mostly talking about the bio specialist report and he expressed concerns over the proposed headings for the DEIS, seeing as he has to have it written a week from today. In a nutshell, Geoff showed how the Biological Environment is a larger, more complicated section than others, and all the headings are problematic with all of the mandatory subsections. I agreed, so we came up with a new, simplified proposed format for the major headings in "Biological Environment"...the actual heading names are in bold (we can come up with different names if you like)

1. An intro to fit under the Biological Environment itself--it would be an un-headed section of a couple paragraphs wherein he could mention wildlife corridors and biological diversity.
2. **Physical Features.** This was a previous recommendation, because the Physical Environment section does not include the biological portions, such as talus slopes and adits, which are very important features for animals.
3. **Plants.** All of the vegetation/plant headings would be combined into one (currently, there is Plant Communities; Seeps, Springs, and Riparian Habitats; and Botanical Species of Concern) (I had previously recommended some different names for these same headings).
4. **Animals.** There would still be one animal heading (I had recommended an "Other Species" heading to be added to Animal Species of Concern [so this new

heading combines both].

As with the previous recommendation, we should move "Livestock Grazing" to Social Environment, and "Sky Islands" should be deleted...unless it was intended to say what is being said in our proposed Intro, if the Intro is not allowed.

Bev can probably fill you in on the other details. Since Geoff has less than one week to produce the text (and the biologist's report from whence the info is drawn is not even done yet), we probably need a ruling very soon.

Thanks! I'll be in tomorrow if you have questions, and can share the outcome with Geoff.

Larry Jones
Wildlife, Fish, and Rare Plants
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From: [Beverley A Everson](#)
To: [Beverley A Everson](#)
Subject: Fw: Barrel-Only Landform
Date: 06/29/2010 03:57 PM

Beverley A. Everson
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----- Forwarded by Beverley A Everson/R3/USDAFS on 06/29/2010 03:56 PM -----

**Salek
Shafiqullah/R3/USDAFS**

06/29/2010 03:19 PM

To "Dale Ortman PE" <daleortmanpe@live.com>
cc ""Beverley A Everson"" <beverson@fs.fed.us>, ""Krizek, David"" <David.Krizek@tetrattech.com>, ""Debby Kriegel"" <dkriegel@fs.fed.us>, fsamorano@rosemontcopper.com, ""Jonathan Rigg"" <jrigg@swca.com>, ""Kathy Arnold"" <karnold@rosemontcopper.com>, ""Marcie Bidwell"" <mbidwell@swca.com>, ""Melissa Reichard"" <mreichard@swca.com>, ""Tom Furgason"" <tfurgason@swca.com>
Subject Re: FW: Barrel-Only Landform 

Hello Dale,

It appears that the Rosemont design team has modified the concept to create a new version as mutually agreed upon at the last meeting. I was under the assumption that the collaborative approach we had been using to discuss pros and cons of the concepts would continue with the proposed meeting scheduled for this week. I am wondering why this approach is being abandoned, as we have made positive strides in formulating a concept design which could please all the parties involved? From a quick review of just the drawing it is difficult to understand ALL the changes the design team has made as well as ALL the pros and cons of this concept.

Salek Shafiqullah, Hydrologist
Coronado National Forest
520-388-8377

"Dale Ortman PE"
<daleortmanpe@live.com>

06/29/2010 10:12 AM

To ""Debby Kriegel"" <dkriegel@fs.fed.us>, ""Salek Shafiqullah"" <sshafiqullah@fs.fed.us>
cc ""Beverley A Everson"" <beverson@fs.fed.us>, ""Tom Furgason"" <tfurgason@swca.com>, ""Melissa Reichard"" <mreichard@swca.com>,

""Jonathan Rigg"" <jrigg@swca.com>, ""Kathy Arnold""
<karnold@rosemontcopper.com>, <fsamorano@rosemontcopper.com>,
""Krizek, David"" <David.Krizek@tetrattech.com>, ""Marcie Bidwell""
<mbidwell@swca.com>

Subject FW: Barrel-Only Landform

Debby & Salek,

I have not received a response to the recommendations in the email below. Please provide your input regarding the recommendations so that we may reach an expeditious conclusion to the team's efforts and proceed to a potential alternative for Reta's consideration.

Regards,

Dale

Dale Ortman PE PLLC
Consulting Engineer

(520) 896-2404 - Arizona Office
(520) 449-7307 - Mobile
(435) 682-2777 - Utah Office

daleortmanpe@live.com

PO Box 1233
Oracle, AZ 85623

From: Dale Ortman PE [mailto:daleortmanpe@live.com]
Sent: Sunday, June 27, 2010 6:29 PM
To: 'Debby Kriegel'; 'Salek Shafiqullah'; 'mbidwell@swca.com'; 'Kathy Arnold'; 'fsamorano@rosemontcopper.com'; 'Krizek, David'
Cc: 'Beverley A Everson'; 'tfurgason@swca.com'; 'Jonathan Rigg'; 'Melissa Reichard'
Subject: Barrel-Only Landform
Importance: High

All,

Attached is the latest landform topography developed by Rosemont for the Barrel-Only landform alternative. This landform has been developed through the joint efforts of the CNF, SWCA, Rosemont, and TetraTech and incorporates the following elements:

- Extension of the Upper Barrel drainage within the landform
- Multiple ridge landforms with differing elevations
- Potential for variable slopes on eastern flanks of the landform
- Potential for reduction in number of drainage control benches on eastern flank of landform
- Improved stormwater discharge control utilizing the extension of the Upper Barrel drainage
- Maintain overall 3:1 slopes with drainage benches on west side of landform to provide required storage capacity and maintain tailings placement operations
- Maintain waste rock perimeter buttress surrounding tailings
- Maintain encapsulation of the heap leach facility

The team has done an excellent job in the collaborative effort to develop this landform concept. I believe we have reached a point in the process where the landform concept should be turned over to Rosemont for final engineering development as the Barrel-Only Alternative for consideration in the DEIS. I recommend that, in addition to the general design objectives listed above, Rosemont develop the following during the final engineering:

- Confirm constructability of the landform
- Summarize the concurrent & final reclamation plan
- General layout of rock sub-drains & flow-through drains
- General stormwater control plan, including commitment to the design criteria currently in the Site Water Management Plan Update

In addition, I propose that we not meet on June 30th as currently scheduled but the team review the attached landform and provide any additional design objectives for Rosemont to include in the final engineering. Please get back to me ASAP with comments and any design objectives you believe should be included in the final design.

If you have any questions please email me or try the Utah phone listed below.

Regards,

Dale

Dale Ortman PE PLLC
Consulting Engineer

(520) 896-2404 - Arizona Office
(520) 449-7307 - Mobile
(435) 682-2777 - Utah Office

daleortmanpe@live.com

PO Box 1233
Oracle, AZ 85623

[attachment "Prelim Barrel_Proposed Survey Area.pdf" deleted by Beverley A
Everson/R3/USDAFS]

From: [Salek Shafiqullah](#)
To: [Tom Furgason](#)
Cc: [Beverley A Everson](#); [Melissa Reichard](#); [Melinda D Roth](#); [Tom Furgason](#)
Subject: RE: Task: Summary and classification of "Alternatives not considered for detailed analysis"
Date: 10/02/2009 09:27 AM

Hello Tom,

I like the organization. Thanks.

Comments from a cursory review:

1. One of the tables (outside jurisdiction) has the purpose and need at the top of it.
2. In the Greater impact table there is a duplicate in the waste rock section.

Thanks for helping out.

Salek Shafiqullah, Hydrologist
Coronado National Forest
520-388-8377

▼ ["Tom Furgason" <tfurgason@swca.com>](mailto:tfurgason@swca.com)

"Tom Furgason"
<tfurgason@swca.com>

10/01/2009 10:05 PM

To "Salek Shafiqullah" <sshafiqullah@fs.fed.us>

cc "Beverley A Everson" <beverson@fs.fed.us>, "Melissa Reichard" <mreichard@swca.com>, "Melinda D Roth" <mroth@fs.fed.us>, "Tom Furgason" <tfurgason@swca.com>

Subject RE: Task: Summary and classification of "Alternatives not considered for detailed analysis"

Salek,

Thanks for the message and the direction. I have taken a first "shot" at organizing the tables of alternatives not considered for detailed analysis. I created four tables based on the following rationale:

- inconsistent with Purpose and Need;
- economically and technologically infeasible;
- Alternatives that would likely result in the same or greater impacts than the Proposed Action; and
- Alternatives outside of the Jurisdiction of the Forest Service

I organized the larger tables with sub-headings to group similar comments (e.g., transportation elements). Please note that these tables will likely have additions based on cooperating agency input and review of the scoping summaries. I'll begin adding those elements into the tables tomorrow morning. I have also NOT had these tables edited and formatted. Our editor should be able to quickly look at them tomorrow

and provide a more thorough review before the meeting with Region. I would appreciate it if you would let me know if you think that the organization of these tables meets your objectives. Again, thanks for making the "hike" over to our office to go over this with me.

Tom

From: Salek Shafiqullah [mailto:sshafiqullah@fs.fed.us]
Sent: Thu 10/1/2009 4:23 PM
To: Tom Furgason
Cc: Beverley A Everson; Melissa Reichard; Melinda D Roth
Subject: Task: Summary and classification of "Alternatives not considered for detailed analysis"

Hello Tom,

Thanks for meeting with me earlier today to discuss a work product I am needing. Per our conversation, I am interested in obtaining a summary and classification of "Alternatives not considered for detailed analysis". It appears that this request is within your present scope of work with Rosemont and therefore, scheduling this work should not be a concern.

Deliverables:

Task 1: review all existing documents created from the scoping comments and IDT deliberations and categorize the "alternatives not considered for detailed analysis" by rationale for dismissal. Rationals for dismissal would include but not be limited to: not consistent with purpose and need, illegal, economically infeasible, technologically infeasible, etc.

Task 2: Review all information presented to cooperating agencies and subsequent comment letters forwarded by cooperating agencies regarding alternatives and compare them to the Task 1 data. Include any new alternatives to the Task 1 product.

Schedule:

Phase 1: Due Friday Oct 2, 2009 before 10:00am.

Phase 2: Due Tuesday Oct 6, 2009

Questions or concerns? Lets discuss at your leisure. Thanks.

Salek Shafiqullah, Hydrologist

Coronado National Forest

520-388-8377[attachment "Alternatives Dismissed-Greater Impact.doc" deleted by Salek Shafiqullah/R3/USDAFS] [attachment "Alternatives Dismissed-Outside of FS Jurisdiction.doc" deleted by Salek Shafiqullah/R3/USDAFS] [attachment "Alternatives Dismissed-Purpose and Need.doc" deleted by Salek Shafiqullah/R3/USDAFS] [attachment "Alternatives Dismissed-Technical.doc" deleted by Salek

Shafiqullah/R3/USDAFS]

From: [Hale Barter](mailto:Hale.Barter)
To: rcongdon@fs.fed.us; daleortmanpe@live.com
Cc: beverson@fs.fed.us; jrigg@swca.com; mreichard@swca.com; Nathan.W.Haws@us.mwhglobal.com; sshafiqullah@fs.fed.us; Stephen.Taylor@us.mwhglobal.com; tfurgason@swca.com; tjchute@msn.com; Toby.Leeson@us.mwhglobal.com
Subject: Re: Rosemont - Mine Water Pumping Supply Model - Proposed Technical Review Meeting
Date: 08/16/2010 07:37 AM

All

We now have an excellent video conferencing system in our office

Hale

Sent from my Blackberry....Hale

----- Original Message -----

From: Roger D Congdon <rcongdon@fs.fed.us>
To: Dale Ortman PE <daleortmanpe@live.com>
Cc: 'Beverley Everson' <beverson@fs.fed.us>; Hale Barter; 'Jonathan Rigg' <jrigg@swca.com>; 'Melissa Reichard' <mreichard@swca.com>; 'Nathan W. Haws' <Nathan.W.Haws@us.mwhglobal.com>; 'Salek Shafiqullah' <sshafiqullah@fs.fed.us>; 'Stephen Taylor' <Stephen.Taylor@us.mwhglobal.com>; 'Tom Furgason' <tfurgason@swca.com>; 'Terry Chute' <tjchute@msn.com>; 'Richmond Leeson Jr.' <Toby.Leeson@us.mwhglobal.com>
Sent: Mon Aug 16 07:03:58 2010
Subject: Re: Rosemont - Mine Water Pumping Supply Model - Proposed Technical Review Meeting

Dale, how long a meeting, and proposed start and stop times? I just have to plan whether to leave on Sunday or return on Tuesday morn. I don't want to do both. The morning SW flight arrives at 10:00 and the afternoon flight departs at 17:05.

Roger

"Dale Ortman PE" <daleortmanpe@live.com>

08/15/2010 07:58 AM

To

""Nathan W. Haws"" <Nathan.W.Haws@us.mwhglobal.com>, ""Richmond Leeson Jr."" <Toby.Leeson@us.mwhglobal.com>, ""Stephen Taylor"" <Stephen.Taylor@us.mwhglobal.com>, ""Hale Barter"" <hbarter@elmontgomery.com>, ""Salek Shafiqullah"" <sshafiqullah@fs.fed.us>, ""Roger D Congdon"" <rcongdon@fs.fed.us>

cc

""Beverley Everson"" <beverson@fs.fed.us>, ""Terry Chute"" <tjchute@msn.com>, ""Tom Furgason"" <tfurgason@swca.com>, ""Jonathan Rigg"" <jrigg@swca.com>, ""Melissa Reichard"" <mreichard@swca.com>

Subject

Rosemont - Mine Water Pumping Supply Model - Proposed Technical Review Meeting

All,

Rosemont has requested that we meet to determine how best to resolve the issues remaining regarding the Mine Water Supply Pumping Model (see attached MWH comments). I believe the issues can be

resolved in relatively short order with the emphasis on having a defensible assessment of the potential pumping impacts as delineated in the attached Significant Issues (Issues 3A & 3B) developed by the CNF and the mitigation afforded by the Well Owners Protection Program instituted by Rosemont.

I would like to tentatively schedule a meeting in Tucson for Monday, August 30th, likely at the Montgomery offices. Attendance via teleconference will be available, but I suggest physical attendance from Nathan Haws (MWH), key Montgomery staff, Salek Shafiqullah (CNF), and myself. Rapid confirmation your attendance or your inability to attend would be most appreciated.

Regards,

Dale

Dale Ortman PE PLLC
Consulting Engineer

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(520) 449-7307 - Mobile
(435) 682-2777 - Utah Office

daleortmanpe@live.com <<mailto:daleortmanpe@live.com>>

PO Box 1233
Oracle, AZ 85623

[attachment "Comments on RCC Model 20100809 - FINAL.pdf" deleted by Roger D Congdon/WO/USDAFS] [attachment "Final Issues_FS-SWCA_040810_CE.pdf" deleted by Roger D Congdon/WO/USDAFS]

From: [Salek Shafiqullah](#)
To: [DeAnne Rietz](#)
Cc: beverson@fs.fed.us; [Dale Ortman PE](#); [Jonathan Rigg](#); [Melissa Reichard](#); [Tom Furgason](#)
Subject: RE: Rosemont surface water quality EC section
Date: 07/26/2010 10:52 AM

Hello DeAnne,
I received the document. Thanks.

Salek Shafiqullah, Hydrologist
Coronado National Forest
520-388-8377

▼ ["DeAnne Rietz" <drietz@swca.com>](mailto:drietz@swca.com)

"DeAnne Rietz"
<drietz@swca.com>

07/25/2010 07:22 PM

To "Salek Shafiqullah" <sshafiqullah@fs.fed.us>
cc <beverson@fs.fed.us>, "Jonathan Rigg" <jrigg@swca.com>, "Melissa Reichard" <mreichard@swca.com>, "Tom Furgason" <tfurgason@swca.com>, "Dale Ortman PE" <daleortmanpe@live.com>

Subject RE: Rosemont surface water quality EC section

Hello Selek,

I now have the surface water quality environmental consequences section ready for your review (attached).

Please let me know that you have received this.

Thanks again for your time and input.

DeAnne

From: DeAnne Rietz
Sent: Saturday, July 24, 2010 8:45 PM
To: 'Salek Shafiqullah'
Cc: beverson@fs.fed.us; Jonathan Rigg; Melissa Reichard; Tom Furgason; 'Dale Ortman PE'
Subject: RE: Rosemont surface water quantity EC section

Selek,

Hello – Attached is the surface water quantity environmental consequences section for your review and comment. I hope to get the surface water quality EC section to you tomorrow some time.

Please let me know that you have received this. Hope to speak with you soon.

Thank you for your time,

DeAnne

From: Salek Shafiqullah [mailto:sshafiqullah@fs.fed.us]
Sent: Tuesday, July 13, 2010 8:58 AM
To: DeAnne Rietz
Cc: beverson@fs.fed.us; Jonathan Rigg; Melissa Reichard; Tom Furgason
Subject: Re: Rosemont surface water affected environment section

Hello DeAnne,
Nice meeting you on the email. Hello.
Surface water sections received and will start the review. Thanks for helping put this together. Talk to you soon.

Salek Shafiqullah, Hydrologist
Coronado National Forest
520-388-8377

"DeAnne Rietz"
<drietz@swca.com>

To <sshafiqullah@fs.fed.us>
07/12/2010 03:43 PM cc <beverson@fs.fed.us>, "Tom Furgason" <tfurgason@swca.com>, "Jonathan Rigg" <jrigg@swca.com>, "Melissa Reichard" <mreichard@swca.com>
Subject Rosemont surface water affected environment section

Hello Mr. Shafiquallah,

Attached are the draft surface water affected environment sections for the Rosemont project and they are ready for your review and comment. Note this is the *affected environment only* and there is one document for surface water quality and one for surface water quantity. Also included for your reference is a draft map of the bounds of analysis.

In the interest of time, perhaps we may be able to set up time for a call to

discuss your comments/concerns - once you have had a chance to review these sections. I know you are busy, so let me know what would work best for you. In the mean time, I will work on the environmental consequences sections for both the sw quality and quantity.

Thank you for your time – look forward to speaking with you soon.

DeAnne

DeAnne Rietz, MS

Hydrologist

SWCA Environmental Consultants

3033 N. Central Ave, Suite 145

Phoenix, AZ 85012

drietz@swca.com

Tel 602.274.3831, ext. 1141

Fax 602.274.3958

[attachment "SW Quality_impacts.doc" deleted by Salek Shafiqullah/R3/USDAFS]

From: [Salek Shafiqullah](#)
To: [Dale Ortman PE](#)
Cc: ['Tom Furgason'](#)
Subject: Re: Rosemont Telecom Memo
Date: 07/17/2009 06:57 PM

Hello Dale,

Responses to your telecom memorandum

1. Thanks for starting to review the reports
2. Draft guidelines look good. However, I would like to see an addition to the end of the first sentence on page 2 which reads as such: (.....extensive calculations or modeling to confirm results presented in the report unless specifically directed by SWCA.) Similar to the last sentence on page 1.
3. Spoke to Bev today and she is forwarding the June 5 memo/questions on to Rosemont.
4. June 5 memo looks good.

Salek Shafiqullah, Hydrologist
Coronado National Forest
520-388-8377

▼ ["Dale Ortman PE" <daleortmanpe@live.com>](mailto:daleortmanpe@live.com)

"Dale Ortman PE"
<daleortmanpe@live.com> To <sshafiqullah@fs.fed.us>
cc "'Tom Furgason'" <tfurgason@swca.com>
07/16/2009 03:20 PM Subject Rosemont Telecom Memo

Salek,

For your files attached is the telecom memo reprising today's discussion.

Thanks for your help with this.

Dale

Dale Ortman PE PLLC
Consulting Engineer

(520) 896-2404 - Arizona Office
(520) 449-7307 - Mobile
(435) 682-2777 - Utah Office

daleortmanpe@live.com

PO Box 1233

Oracle, AZ 85623

[attachment "2009-7-16_Ortman_Shaffiqullah_Tech Revu_TCMemo.pdf" deleted
by Salek Shafiqullah/R3/USDAFS]

From: [Dale Ortman PE](#)
To: ['Salek Shafiqullah'](#)
Cc: ['Tom Furgason'](#)
Subject: RE: Rosemont Telecom Memo
Date: 07/18/2009 07:56 AM

Salek,

Thanks for getting back to me on this and for your input.

Dale

From: Salek Shafiqullah [mailto:sshafiqullah@fs.fed.us]
Sent: Friday, July 17, 2009 6:57 PM
To: Dale Ortman PE
Cc: 'Tom Furgason'
Subject: Re: Rosemont Telecom Memo

Hello Dale,
Responses to your telecom memorandum

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Salek Shafiqullah, Hydrologist
Coronado National Forest
520-388-8377

"Dale Ortman PE"
<daleortmanpe@live.com>

07/16/2009 03:20 PM

To <sshafiqullah@fs.fed.us>
cc "'Tom Furgason'" <tfurgason@swca.com>
Subject Rosemont Telecom Memo

Salek,

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Thanks for your help with this.

Dale

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PO Box 1233
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[attachment "2009-7-16_Ortman_Shaffiqullah_Tech Revu_TCmemo.pdf" deleted by Salek Shafiqullah/R3/USDAFS]

From: [Roger D.Congdon](#)
To: [Dale Ortman PE](#)
Cc: ['Beverley Everson'](#); ['Hale Barter'](#); ['Jonathan Rigg'](#); ['Melissa Reichard'](#); ['Nathan W. Haws'](#); ['Salek Shafiqullah'](#); ['Stephen Taylor'](#); ['Tom Furgason'](#); ['Terry Chute'](#); ['Richmond Leeson Jr.'](#)
Subject: Re: Rosemont - Mine Water Pumping Supply Model - Proposed Technical Review Meeting
Date: 08/16/2010 07:04 AM

Dale, how long a meeting, and proposed start and stop times? I just have to plan whether to leave on Sunday or return on Tuesday morn. I don't want to do both. The morning SW flight arrives at 10:00 and the afternoon flight departs at 17:05.

Roger



"Dale Ortman PE"
<daleortmanpe@live.com>

08/15/2010 07:58 AM

To "Nathan W. Haws" <Nathan.W.Haws@us.mwhglobal.com>, "Richmond Leeson Jr." <Toby.Leeson@us.mwhglobal.com>, "Stephen Taylor" <Stephen.Taylor@us.mwhglobal.com>, "Hale Barter" <hbarter@elmontgomery.com>, "Salek Shafiqullah" <sshafiqullah@fs.fed.us>, "Roger D Congdon" <rcongdon@fs.fed.us>

cc "Beverley Everson" <beverson@fs.fed.us>, "Terry Chute" <tjchute@msn.com>, "Tom Furgason" <tfurgason@swca.com>, "Jonathan Rigg" <jrigg@swca.com>, "Melissa Reichard" <mreichard@swca.com>

Subject Rosemont - Mine Water Pumping Supply Model - Proposed Technical Review Meeting

All,

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I would like to tentatively schedule a meeting in Tucson for Monday, August 30th, likely at the Montgomery offices. Attendance via teleconference will be available, but I suggest physical attendance from Nathan Haws (MWH), key Montgomery staff, Salek Shafiqullah (CNF), and myself. Rapid confirmation your attendance or your inability to attend would be most appreciated.

Regards,

Dale

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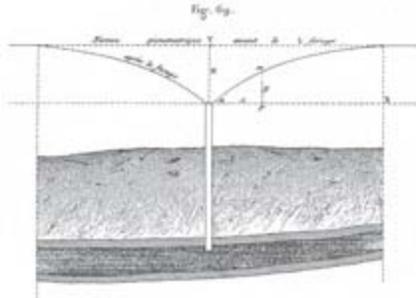
Oracle, AZ 85623

[attachment "Comments on RCC Model 20100809 - FINAL.pdf" deleted by Roger D Congdon/WO/USDAFS]

[attachment "Final Issues_FS-SWCA_040810_CE.pdf" deleted by Roger D Congdon/WO/USDAFS]

From: [Roger D.Congdon](mailto:Roger_D.Congdon)
To: daleortmanpe@live.com
Cc: [Salek Shafiqullah](mailto:Salek_Shafiqullah)
Subject: Re: Rosemont - Mine Water Pumping Supply Model - Proposed Technical Review Meeting
Date: 08/16/2010 11:14 AM

Dale, since Salek can't make it on 8/30, I would come in order to fill that gap. If you change it to early September, chances are that I won't make it. So, we're covered one way or the other.



Roger D. Congdon, PhD
Hydrogeologist
USDA Forest Service
Centralized National Operations
333 Broadway Blvd SE
Albuquerque, NM 87102
Phone: 505-842-3835
rcongdon@fs.fed.us

▼ [Salek Shafiqullah/R3/USDAFS](#)

**Salek
Shafiqullah/R3/USDAFS**

08/16/2010 11:11 AM

To "Dale Ortman PE" <daleortmanpe@live.com>
cc ""Beverley Everson"" <beverson@fs.fed.us>, ""Hale Barter"" <hbarter@elmontgomery.com>, ""Jonathan Rigg"" <jrigg@swca.com>, ""Melissa Reichard"" <mreichard@swca.com>, ""Nathan W. Haws"" <Nathan.W.Haws@us.mwhglobal.com>, ""Roger D Congdon"" <rcongdon@fs.fed.us>, ""Stephen Taylor"" <Stephen.Taylor@us.mwhglobal.com>, ""Tom Furgason"" <tfurgason@swca.com>, ""Terry Chute"" <tjchute@msn.com>, ""Richmond Leeson Jr."" <Toby.Leeson@us.mwhglobal.com>

Subject Re: Rosemont - Mine Water Pumping Supply Model - Proposed Technical Review Meeting 

Hello Dale,
I have some conflicts week of August 30

I will not be available on August 30 or 31 (Mon and Tues).
I am free on Sept 1-3 (Wed, Thur, and Fri).

Salek Shafiqullah, Hydrologist
Coronado National Forest
520-388-8377

"Dale Ortman PE"
<daleortmanpe@live.com>

08/15/2010 06:58 AM

To ""Nathan W. Haws"" <Nathan.W.Haws@us.mwhglobal.com>, ""Richmond Leeson Jr."" <Toby.Leeson@us.mwhglobal.com>, ""Stephen Taylor"" <Stephen.Taylor@us.mwhglobal.com>, ""Hale Barter"" <hbarter@elmontgomery.com>, ""Salek Shafiqullah"" <sshafiqullah@fs.fed.us>, ""Roger D Congdon"" <rcongdon@fs.fed.us>

cc ""Beverley Everson"" <beverson@fs.fed.us>, ""Terry Chute"" <tjchute@msn.com>, ""Tom Furgason"" <tfurgason@swca.com>, ""Jonathan Rigg"" <jrigg@swca.com>, ""Melissa Reichard"" <mreichard@swca.com>

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[attachment "Comments on RCC Model 20100809 - FINAL.pdf" deleted by Roger D Congdon/WO/USDAFS] [attachment "Final Issues_FS-SWCA_040810_CE.pdf" deleted by Roger D Congdon/WO/USDAFS]

From: [Melinda D Roth](#)
To: [Craig P Wilcox](#)
Cc: [Beverley A Everson](#); [Debby Kriegel](#); [Deborah K Sebesta](#); [Larry Jones](#); mbidwell@swca.com; [Robert Lefevre](#); [Salek Shafiqullah](#)
Subject: Re: Rosemont - Research needed for revegetation with trees and shrubs - Input needed by 5/27
Date: 05/21/2010 04:13 PM

I have the species lists considered in the current reveg tests. There are only a couple of shrubs on that list. Debby, I put those lists in your mail box (powerpoint presentation handout)

Mindee Roth
Coronado National Forest
300 W. Congress, FB42
Tucson, AZ 85701
(520) 388-8319
(520) 396-0715 (cell)
(520) 388-8305 (FAX)

▼ [Craig P Wilcox/R3/USDAFS](#)

**Craig P
Wilcox/R3/USDAFS**

05/21/2010 03:49 PM

To Debby Kriegel/R3/USDAFS@FSNOTES
cc Beverley A Everson/R3/USDAFS@FSNOTES, Debby Kriegel/R3/USDAFS@FSNOTES, Deborah K Sebesta/R3/USDAFS@FSNOTES, Larry Jones/R3/USDAFS@FSNOTES, mbidwell@swca.com, Melinda D Roth/R3/USDAFS@FSNOTES, Robert Lefevre/R3/USDAFS@FSNOTES, Salek Shafiqullah/R3/USDAFS@FSNOTES
Subject Re: Rosemont - Research needed for revegetation with trees and shrubs - Input needed by 5/27 

Debby,
Your list of tasks looks very complete to me. If you have a plant species list for the project area I would be interested in seeing it.
Craig

Craig Wilcox, Forest Silviculturist
Coronado National Forest
711 S. 14th Ave., Suite D
Safford, AZ 85546
928-348-1961 work
928-965-1782 cell
cpwilcox@fs.fed.us

▼ [Debby Kriegel/R3/USDAFS](#)

**Debby
Kriegel/R3/USDAFS**

To Craig P Wilcox/R3/USDAFS@FSNOTES, Larry

05/21/2010 12:37 PM

Jones/R3/USDAFS@FSNOTES, Deborah K
Sebesta/R3/USDAFS@FSNOTES, Salek
Shafiqullah/R3/USDAFS@FSNOTES,
mbidwell@swca.com, Robert
Lefevre/R3/USDAFS@FSNOTES

cc Debby Kriegel/R3/USDAFS@FSNOTES, Melinda D
Roth/R3/USDAFS@FSNOTES, Beverley A
Everson/R3/USDAFS@FSNOTES

Subject Rosemont - Research needed for revegetation with
trees and shrubs - Input needed by 5/27

Attached is a 1-page draft scope of work for research that is needed to establish trees and shrubs on reclaimed areas. We have agreed to get the final version of this to Rosemont by next Friday (5/28) so they can hopefully proceed with getting the work going. Please review the document and provide your comments to me by noon Thursday (5/27). And feel free to forward to others (Geoff, etc.) as you see fit.

Thanks!

[attachment "Rosemont_Research_Trees_and_Shrubs_Scope_of_Work.docx" deleted by Craig P Wilcox/R3/USDAFS]

From: [Craig P Wilcox](#)
To: [Debby Kriegel](#)
Cc: [Beverley A Everson](#); [Debby Kriegel](#); [Deborah K Sebesta](#); [Larry Jones](#); mbidwell@swca.com; [Melinda D Roth](#); [Robert Lefevre](#); [Salek Shafiqullah](#)
Subject: Re: Rosemont - Research needed for revegetation with trees and shrubs - Input needed by 5/27
Date: 05/21/2010 03:50 PM

Debby,
Your list of tasks looks very complete to me. If you have a plant species list for the project area I would be interested in seeing it.
Craig

Craig Wilcox, Forest Silviculturist
Coronado National Forest
711 S. 14th Ave., Suite D
Safford, AZ 85546
928-348-1961 work
928-965-1782 cell
cpwilcox@fs.fed.us

▼ [Debby Kriegel/R3/USDAFS](#)

**Debby
Kriegel/R3/USDAFS**

05/21/2010 12:37 PM

To Craig P Wilcox/R3/USDAFS@FSNOTES, Larry Jones/R3/USDAFS@FSNOTES, Deborah K Sebesta/R3/USDAFS@FSNOTES, Salek Shafiqullah/R3/USDAFS@FSNOTES, mbidwell@swca.com, Robert Lefevre/R3/USDAFS@FSNOTES
cc Debby Kriegel/R3/USDAFS@FSNOTES, Melinda D Roth/R3/USDAFS@FSNOTES, Beverley A Everson/R3/USDAFS@FSNOTES
Subject Rosemont - Research needed for revegetation with trees and shrubs - Input needed by 5/27

Attached is a 1-page draft scope of work for research that is needed to establish trees and shrubs on reclaimed areas. We have agreed to get the final version of this to Rosemont by next Friday (5/28) so they can hopefully proceed with getting the work going. Please review the document and provide your comments to me by noon Thursday (5/27). And feel free to forward to others (Geoff, etc.) as you see fit.

Thanks!

[attachment
"Rosemont_Research_Trees_and_Shrubs_Scope_of_Work.docx" deleted
by Craig P Wilcox/R3/USDAFS]

From: [Robert Lefevre](#)
To: [Beverley A Everson](#)
Cc: [Melinda D Roth](#); [Arthur S Elek](#); [Salek Shafiqullah](#)
Subject: Re: Rosemont Catalog of Activities Form for Past, Present and Reasonably Foreseeable Actions
Date: 11/05/2009 04:13 PM
Attachments: [2009 10 13 IDT Catalog of Activities Lefevre.xlsx](#)

Good afternoon, Bev. Here is my contribution for the past, present and reasonably foreseeable actions. I had some GIS layers already in place for some other projects in the Santa Ritas and took them from that information.

Art - Chris told me you were working on this for fire, and because I already had some fires in my table he suggested I send this to you. It probably does not have as many as items as you have because I didn't use the claim boundary as he said you are, but I thought you might be interested in what I found.



2009 10 13 IDT Catalog of Activities Lefevre.xlsx

Robert E. Lefevre
Forestry and Watershed Program Manager
Coronado National Forest
USDA Forest Service
520-388-8373
▼ [Beverley A Everson/R3/USDAFS](#)

**Beverley A
Everson/R3/USDAFS**

10/27/2009 09:45 AM

To ecuriel@fs.fed.us, gmckay@fs.fed.us,
kbrown03@fs.fed.us, kelleth@fs.fed.us,
ljones02@fs.fed.us, Mary M
Farrell/R3/USDAFS@FSNOTES, Melinda D
Roth/R3/USDAFS@FSNOTES, mreichard@swca.com,
rlfevre@fs.fed.us, abelauskas@fs.fed.us,
aelek@fs.fed.us, dkriegel@fs.fed.us,
dsebesta@fslidavis@fs.fed.us, sshafiqullah@fs.fed.us,
temmett@fs.fed.us, Walter
Keyes/R3/USDAFS@FSNOTES, William B
Gillespie/R3/USDAFS@FSNOTES, Deborah K
Sebesta/R3/USDAFS@FSNOTES, Kent C
Ellett/R3/USDAFS@FSNOTES

cc

Subject Rosemont Catalog of Activities Form for Past, Present
and Reasonably Foreseeable Actions

I sent this spreadsheet to you all earlier, but I have had some questions about the table, and so I'm resending it for your reference (and in case you've misplaced the previous mailing)., All of the team, core and extended, should look at the table and fill in whatever activities you are aware of. If in doubt, go ahead and put an activity in, as it can be removed later.

The two columns that say "actual/estimate" are kind of confusing...actual means that the activity has already taken place or is taking place, and estimate means that the activity is planned or expected to happen. Note that these columns, plus the activity column, have drop down menus that you can select from. Click on the right hand side of the heading box for each column to pull down the menu.

The assignment to fill out this table had a deadline of October 30 when it was given to the team last week. The deadline has changed to Nov. 6 as the emphasis this week is not on the DEIS review. At our meeting tomorrow, I'll be asking everyone for an update on where they are on the DEIS review, and will consolidate responses to make sure that we are doing a complete review as a team.

For those of you videoconferencing into the meeting from the district, I understand that you just have to turn the television on and call the in to the S.O. IP address. Buzz can give you that number if needed. See you tomorrow!

Bev

Beverley A. Everson
Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

Voice: 520-388-8428
Fax: 520-388-8305

Teresa Ann Ciapusci
Staff Officer
Ecosystem Management and Planning
Coronado National Forest
300 West Congress, FB42
Tucson, Arizona 85701
(520) 388-8350 office
(520) 237-0879 cellular
(520) 388-8305 fax [attachment "2009 10 13 IDT Catalog of Activities.xlsx"
deleted by Robert Lefevre/R3/USDAFS]

From: [Salek Shafiqullah](#)
To: jrigg@swca.com
Cc: [Beverley A Everson](#); [Robert Lefevre](#); [Debby Kriegel](#); [Erica Gaddis](#); [Sue Wilmot](#)
Subject: Re: Rosemont Chapter 3-Soil Section
Date: 07/14/2010 03:53 PM

Hello Johnathan,

Cursory comments: Bobs tables are qualitative in nature and useful. However, there exists some quantitative data in the form of Dr. Fehmi's and Hollys work. Some of this work is final and some is draft and some is ongoing. This information should also be included regarding existing condition affected environment and reclamation cover effectiveness predictions.

Salek Shafiqullah, Hydrologist
Coronado National Forest
520-388-8377
▼ [Robert Lefevre/R3/USDAFS](#)

**Robert
Lefevre/R3/USDAFS**

07/14/2010 01:39 PM

To jrigg@swca.com
cc "Sue Wilmot" <swilmot@swca.com>, "Erica Gaddis" <egaddis@swca.com>, "Beverley A Everson" <beverson@fs.fed.us>, Salek Shafiqullah/R3/USDAFS@FSNOTES, Debby Kriegel/R3/USDAFS@FSNOTES
Subject Rosemont Chapter 3-Soil Section

Jonathan, Bev asked me who was reviewing the soil section. Its me for now. The PIL I have (July 25, 2008) indicates Salek is the Forest Service contact for soil but he's pretty busy with water. You will see a lot of tables added to the effects section. Whether or not these are appropriate, I don't know. But I believe we should have some description of what we can expect in the way of plant cover as a result of reclamation efforts.[attachment "Ch 3_3-4 Soils and Reclamation_021610_CE_Lefevre_comments.doc" deleted by Salek Shafiqullah/R3/USDAFS]

Also, I have referenced the General Ecosystem Survey, completed by the Forest Service in 1991. If it isn't already in the record, here it is.[attachment "ges_report.rtf" deleted by Salek Shafiqullah/R3/USDAFS]

Robert E. Lefevre
Forestry and Watershed Program Manager
Coronado National Forest
USDA Forest Service
520-388-8373

From: [Geoff Soroka](#)
To: [Larry Jones](#)
Cc: [Tom Furgason](#); [Rochelle Desser](#); [Beverley A Everson](#); [Melinda D Roth](#); [Deborah K Sebesta](#); [Richard A Gerhart](#)
Subject: RE: Rosemont Specialist Report
Date: 03/25/2010 11:46 AM

Larry,
Can you also please provide me with a copy of the Marc Baker survey report for Hexalectris? We don't have a copy of that report here.

Thank you!
Geoffrey Soroka
SWCA Biologist/Project Manager
Tucson Office
(520) 325-9194
gsoroka@swca.com

From: Larry Jones [<mailto:ljones02@fs.fed.us>]
Sent: Wednesday, March 24, 2010 2:21 PM
To: Geoff Soroka
Cc: Tom Furgason; Rochelle Desser; Beverley A Everson; Melinda D Roth; Deborah K Sebesta; Richard A Gerhart
Subject: Re: Rosemont Specialist Report

Geoff--

thanks! i'm trying to get on track with the natural flow for bio documents, rather than starting with the end (DEIS sans list of alternatives to carry forward and mitigations) and working my way backwards, so i'll start with this specialist report (which would have been first in a normal project), then resume work on the migratory bird report, then BE, then MIS, then BA. After the MIS report, i'll be willing to look at and comment on the draft EIS, because then we will have the necessary info for biology of the proposed action area that would go into a DEIS and be used to discuss effects by alternatives and recommend mitigations. Sorry, but I don't want to make any time commitments...I want to do it right, per my NEPA bio training.

If Rick or Debbie want to take the lead on comments on the MIS or BE, they are welcome to look at them before I get to them.

Larry Jones
Wildlife, Fish, and Rare Plants
Coronado National Forest
300 W Congress
Tucson, AZ 85701

520-388-8375
ljones02@fs.fed.us

"Geoff Soroka" <gsoroka@swca.com>

03/24/2010 10:24 AM

To "Larry Jones" <ljones02@fs.fed.us>
cc "Tom Furgason" <tfurgason@swca.com>
Subject Rosemont Specialist Report

Larry,

I am happy to inform you that the Rosemont wildlife specialist report is finished and attached to this email. You will see both the Word and pdf versions. The Word version would have been too large to send by email with all of the figures and appendices inserted, so I included the pdf version so that you could see how the final version of the report will look with those inserted. I will try to get the BE over to you soon...maybe early next week?

I was also wondering after a conversation I just had with Tom, I know we talked about these a little yesterday, but when do you anticipate your review and edits to the Migratory Bird and MIS reports to be complete so that those reports will make their way to the project record?

As a side note, could you also please send me a copy of Marc Baker's *Hexalectris* report? Either electronic or paper would be fine.

Thank you!

Geoffrey Soroka

SWCA Biologist/Project Manager

Tucson Office

(520) 325-9194

gsoroka@swca.com

[attachment "11204_Rosemont_Wildlife_Report_032310_CE.pdf" deleted by Larry Jones/R3/USDAFS] [attachment "11204_Rosemont_Wildlife_Report_032310_CE.doc" deleted by Larry Jones/R3/USDAFS]

From: [Reta Laford](#)
To: [Robert Lefevre](#); [Jonathan Rigg](#)
Cc: [Beverley A Everson](#); [Erica Gaddis](#); [Sue Wilmot](#); [Salek Shafiqullah](#)
Subject: Re: Rosemont study boundaries (for air quality assessment)
Date: 07/11/2010 10:59 PM

Be sure to document rationale for boundary. Is there agency protocol to be at least 100 KMs for something. Also, is there any prevailing wind pattern that influences the boundary? Any special areas to be addressed such as Wilderness or Park Service? Etc...

▼ [Robert Lefevre](#)

----- Original Message -----

From: Robert Lefevre
Sent: 07/09/2010 10:18 AM MST
To: "Jonathan Rigg" <jrigg@swca.com>
Cc: Beverley Everson; "Erica Gaddis" <egaddis@swca.com>; "Sue Wilmot" <swilmot@swca.com>; Salek Shafiqullah; Reta Laford
Subject: Fw: Rosemont study boundaries (for air quality assessment)

Below is an email from Dennis Haase, who together with me developed the study area for air quality.

Robert E. Lefevre
Forestry and Watershed Program Manager
Coronado National Forest
USDA Forest Service
520-388-8373

----- Forwarded by Robert Lefevre/R3/USDAFS on 07/09/2010 10:11 AM -----

Robert Lefevre/R3/USDAFS
To Robert Lefevre/R3/USDAFS@FSNOTES
cc
07/09/2010 09:57 AM Subject Fw: Rosemont study boundaries

Robert E Lefevre
Forestry and Watershed Program Manager
Coronado National Forest
520-388-8373

----- Forwarded by Robert Lefevre/R3/USDAFS on 07/09/2010 09:57 AM -----

"VSIENV"
<vsienv@cox.net>
To "Robert Lefevre" <rlefevre@fs.fed.us>
cc
06/13/2009 03:56 PM Subject Fw: Rosemont study boundaries

----- Original Message -----

From: [VSIENV](#)

To: [Robert Lefevre](#)

Sent: Friday, June 12, 2009 2:24 PM

Subject: Rosemont study boundaries

Mr. Lefevre-

I'm attaching a map with the original boundary we discussed (in green) and the revision I'm suggesting. After getting the map from SWCA yesterday, I felt that the area needed to expand more to the east and we don't necessarily need the area above Sahuarita Rd. Lowering the upper boundary to Sahuarita Rd does not eliminate many populated areas; Corona de Tucson is still covered. I expanded to the east to include Sonoita and a large portion of Las Cienegas National Conservation Area. With these dimensions, the mine area is more centrally located within the study boundaries.

I would appreciate your thoughts. I will call you on Monday to discuss.

thank you

dennis haase

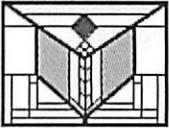
VSI

[attachment "airREV.pdf" deleted by Reta Laford/R3/USDAFS]

Norene Norris

02/11/2008

Re: MOU - comments omitted



12/19/2007 12:12 PM

Montez/R3/USDAFS@FSNOTES

cc

Subject MOU - comments omitted

Sorry about the last version. This one is a little easier to read. Bev

[attachment "Rosemnt final_MOU.doc" deleted by Norene Norris/R3/USDAFS]

Beverley A. Everson
Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

Voice: 520-388-8428
Fax: 520-388-8305



"Christina White"
<cwhite@swca.com>
07/29/2010 02:44 PM

To "Walter Keyes" <wkeyes@fs.fed.us>
cc "Jonathan Rigg" <jrigg@swca.com>
bcc
Subject Draft of Rosemont EIS - Chapter 3 Transportation and Access

Hi Walt,

Attached is the full version of Chapter 3 with both Affected Environment and Environmental Consequences along with figures for your review. In your markup, you questioned whether some of the roads in the study area were county or FS roads. Our GIS layers from the county and the FS show that they're indeed FS roads. In any case, the impact analysis, as we had previously discussed isn't really lengthy and I tried to tie it back to other sections per your recommendations.

It's my understanding that we have to it reviewed, revised, and approved by August 3rd so once you have an opportunity to review this and make your comments, I'll revise it shortly afterwards, and resubmit it to you for final approval.

Thanks again, Walt. Hope all is well!

Christina White
Environmental Planner
SWCA Environmental Consultants
3033 North Central Avenue, Suite 145
Phone: (602) 274-3831, ext. 1117
Fax: (602) 274-3958



www.swca.com fig3-10-3_trans.pdf fig3-10-1_trans.pdf fig3-10-2_trans.pdf Ch 3_3-10 Transportation and Access_080310.doc

Norene Norris

09/30/2008 > Rosemont MOU Mod 1 to F9 and Attac



Reta Laford/R3/USDAFS

07/31/2008 09:54 AM

To Norene Norris/R3/USDAFS@FSNOTES

cc

bcc

Subject Rosemont MOU Mod 1 to F9 and Attachment Section 3

Norene - Attached is our requested Rosemont MOU mod for processing. THANKS
!



Rosemont MOU Mod 1 of F9 and Attachment Section 3.doc

Reta Laford, Deputy Forest Supervisor

USDA Forest Service, Coronado National Forest
300 W Congress Street, Tucson, AZ 85701

Phone: 520-388-8307 (office), 505-452-7557 (cell)

Fax: 520-388-8305

Email: rlaford@fs.fed.us

Norene Norris

02/11/2008

Re: MOU - comments omitted



Beverley A
Everson/R3/USDAFS
01/04/2008 11:12 AM

To Norene Norris/R3/USDAFS@FSNOTES, Andrea W
Campbell/R3/USDAFS@FSNOTES
cc Daniel Montez/R3/USDAFS@FSNOTES
bcc
Subject Re: MOU - comments omitted 

What do you need from me and/or Andrea to move this forward?

Beverley A. Everson
Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

Voice: 520-388-8428
Fax: 520-388-8305

Norene Norris/R3/USDAFS



Norene Norris/R3/USDAFS
12/27/2007 02:52 PM

To Beverley A Everson/R3/USDAFS@FSNOTES
cc Daniel Montez/R3/USDAFS@FSNOTES
Subject Re: MOU - comments omitted 

What is the origin of this document, Bev? I ask because it doesn't follow the format of the approved Forest Service MOU for NEPA template.

Has Andrea seen/approved it?

Norene (Don't Shoot Me, I'm Just the Piano Player) Norris,
Grants & Agreements, Coronado NF
Phone: 520.388.8325
Fax: 520.388.8331
E-Mail: nnorris@fs.fed.us

"Hope springs a kernel."
Denny Crane

Beverley A Everson/R3/USDAFS



Beverley A
Everson/R3/USDAFS

To Norene Norris/R3/USDAFS@FSNOTES, Daniel

Norene Norris

11/10/2009

Rosemont Modification



Melinda D
Roth/R3/USDAFS
11/10/2009 09:57 AM

To Norene Norris/R3/USDAFS@FSNOTES
cc
bcc
Subject Rosemont Modification

Mod #3 and AOP
ps Congratulations on your G&A award!

[attachment "CA MOD3.DOCX" deleted by Norene Norris/R3/USDAFS] [attachment "Rosemont
Copper Project FY 2010 Annual Operating Plan.docx" deleted by Norene Norris/R3/USDAFS]

Mindee Roth
Coronado National Forest
300 W. Congress, FB42
Tucson, AZ 85701
(520) 388-8319
(520) 396-0715 (cell)
(520) 388-8305 (FAX)

Reta Laford/R3/USDAFS
12/22/2009 07:12 PM

To mreichard@swca.com, tfurgason@swca.com
cc Melinda D Roth/R3/USDAFS@FSNOTES, Beverly A
Everson/R3/USDAFS@FSNOTES, Reta
Laford/R3/USDAFS@FSNOTES
bcc
Subject Scoping Report 3 status and needs

Attached is the latest draft of Scoping Report 3. It continually takes longer than I expected to describe what happened and cross check tables and such. None the less here it is so far.

All - Pages 6-21 can be read to see if I got the story correct, excluding the outstanding items noted below. To really get the whole story you should get a copy of the draft appendixes from Mel.

Mel - See Comment 5 for input to edit Appendix A.

Mel - See Comment 6. No action required of you, just a note that they may pop up in the later section.

Mel - See Comments 8 and 13 for input to edit Appendix B.

Mel - See Comment 15 for a correction to the table in Appendix C, and other edits to it.

All - I still need to address the following . . .

1. How non-issue themes categorized as alts, mit, and mon are incorporated into Jeanine's section on issues that may drive alts, mit and mon. (pg. 17)
2. Any tweaks to the four buckets based on what we know today. (pages 17-21)
3. Narrative on description about the issues addressed by process. (pages 19-20)
4. Narrative on description about issues out of scope. (pages 20-21)
5. Insert draft issue wording for issues driving alts.. and focusing effects. (pg 21)

Mel - Appendix A: a) Should we remove date from cover?, b) Add the word "Theme" to each of the 105 subheaders so they read "...Issue Theme:....".

Mel - Appendix D: a) Change title to "Interdisciplinary Team's Comprehensive Issue Theme Statement Tracking Sheet."

b) Change Category column header to "Content Analysis Resource Category". Consider putting one word per line.

c) Reword IDT Recommendation column heading to "IDT Recommended Significant Issue Grouping"

d) Change header for column "Final Line Direction" to "IDT Re-categorization of Issue Theme Statements"

d) Include a legend before the table that defines the contents of the columns for Content Analysis Resource Category, IDT Recommended, Re-categorization label.

e) In the Re-categorization column, remove the word "Combined". I found it confusing.

f) In the Re-gategorization column change the numbers to be preceded with "IDA".

- g) #18 in Re-categorization column needs to have "IAP" added. This will make it consistent with others alts, mit, and mons.
- h) #51 in Re-categorization column need to fill in consistent with text in report
- i) #58 in Re-categorization column need to fill in consistent with text in report
- j) #59 in Re-categorization column delete "? Or IAE".
- k) #75 and 76 in Re-categorization column change to "IAP". This will make them consistent with other alts, mit, and mons.
- l) #77 in Re-categorization column need to fill in consistent with text in report
- m) #86 in Re-categorization column delete "? Or Combined 11".
- n) #101 in Re-categorization column need to fill in consistent with text in report
- o) Need to change note in alternative box about giving these back to SWCA to integrate.
- p) Look for opportunities to reduce the amount of gray shading. For example, consider making Disposition columns with white background.

All - I apologize that this is literally taking way more time than I ever imagined. I thought a lot more of the story had already been written and worked over by the IDT. But it is crucial to line it all out now so we can be defensible down the road.

Mel - I have a morning meeting with BLM and then can catch up with you on these things or whatever else is needed for the report.

[attachment "2009 12 22 SR3 Retas Dec edits.docx" deleted by Reta Laford/R3/USDAFS]

Reta Laford, Deputy Forest Supervisor

USDA Forest Service, Coronado National Forest
300 W Congress Street, Tucson, AZ 85701

Phone: 520-388-8307 (office), 505-452-7557 (cell)
Fax: 520-388-8305
Email: rlaford@fs.fed.us

From: [Rochelle Desser](#)
To: [Melinda D Roth](#)
Cc: [Beverley A Everson](#); [Salek Shafiqullah](#); tfurgason@swca.com
Subject: 1pm pacific rosemont RO briefing call 866-919-8394 pc 128398
Date: 03/24/2010 12:27 PM

Reminder to use my conference line in about a half hour at 1pm pacific time



Rochelle Desser
Natural Resource Planner
Office Phone: 541-596-2453
Cell Phone: 559-359-8114
Conference Line: 866-919-8394
with Pass Code # 128398
PO Box 687 O'Brien, OR 97534

▼ [Melinda D Roth/R3/USDAFS](#)

**Melinda D
Roth/R3/USDAFS**

To Rochelle Desser/WO/USDAFS@FSNOTES, Salek Shafiqullah/R3/USDAFS@FSNOTES, Beverley A Everson/R3/USDAFS@FSNOTES, tfurgason@swca.com

03/18/2010 04:23 PM

cc

Subject Apr 5th RO update plans

I will arrange a conference call early next week to settle on logistics, topics, and assignments. In the mean time, here are my thoughts as a starting point.

[attachment "Regional Office Rosemont Copper Project Update Plans.docx" deleted by Rochelle Desser/WO/USDAFS]

Mindee Roth
Coronado National Forest
300 W. Congress, FB42
Tucson, AZ 85701
(520) 388-8319
(520) 396-0715 (cell)
(520) 388-8305 (FAX)

From: [Beverley A Everson](#)
To: [Debby Kriegel](#); [Charles A Blair](#); [Salek Shafiqullah](#)
Subject: Fw: Review Comments for Rosemont Landform Report
Date: 05/05/2010 02:23 PM

Do you feel that your comments were considered, and included were needed?

Also, Chuck, are you aware of the May 17 reclamation meeting? I'd like for you to attend if you can.

Beverley A. Everson
Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

Voice: 520-388-8428
Fax: 520-388-8305

----- Forwarded by Beverley A Everson/R3/USDAFS on 05/05/2010 02:21 PM -----

"Dale Ortman PE"
<daleortmanpe@live.com>

05/02/2010 12:19 PM

To ""Beverley A Everson" <beverson@fs.fed.us>, "Melinda D Roth" <mroth@fs.fed.us>, "Debby Kriegel" <dkriegel@fs.fed.us>, "Salek Shafiqullah - USFS" <sshafiqullah@fs.fed.us>, "Tom Furgason" <tfurgason@swca.com>, "Jonathan Rigg" <jrigg@swca.com>, "Melissa Reichard" <mreichard@swca.com>, "Marcie Bidwell" <mbidwell@swca.com>

cc

Subject Review Comments for Rosemont Landform Report

All,

Attached is a memorandum containing a compilation of the pertinent review comments regarding the landform report. Not all comments received are included in the memorandum as those that altered Horst's professional opinion, modified the constraints imposed by Rosemont, or did not substantively add to the understanding of the report were omitted.

I will be forwarding the comments to Horst on Tuesday, therefore if you have any questions regarding the comments please contact me.

Regards,

Dale

Dale Ortman PE PLLC
Consulting Engineer

(520) 896-2404 - Arizona Office
(520) 449-7307 - Mobile
(435) 682-2777 - Utah Office

daleortmanpe@live.com

PO Box 1233
Oracle, AZ 85623

[attachment "20100502_ortman_schor_draft-landform-rpt-review-comments_memo.pdf"
deleted by Beverley A Everson/R3/USDAFS]

"Dale Ortman PE"
<daleortmanpe@live.com>

07/28/2010 11:05 AM

To "Salek Shafiqullah" <sshafiqullah@fs.fed.us>, "Roger D Congdon"
<rcongdon@fs.fed.us>

cc "Beverley A Everson" <beverson@fs.fed.us>, "Tom Furgason"
<tfurgason@swca.com>, "Jonathan Rigg" <jrigg@swca.com>,
"Melissa Reichard" <mreichard@swca.com>

Subject Rosemont - Golder Review of Site Water Management Plan

All,

Attached is the draft technical review memorandum prepared by Golder for the Site Water Management Plan. The SOW includes the CNF to review the draft memo and provide comment to Golder for preparation of a final document. Given the project schedule please review the memo as soon as possible and provide comment for revision or determine that the document is acceptable as is so we can forward it along to Rosemont.

Regards,

Dale

Dale Ortman PE PLLC
Consulting Engineer

(520) 896-2404 - Arizona Office
(520) 449-7307 - Mobile
(435) 682-2777 - Utah Office

daleortmanpe@live.com

PO Box 1233
Oracle, AZ 85623

[attachment "09381962 TM Rosemont_23JUL10.pdf" deleted by Salek Shafiqullah/R3/USDAFS]

From: [Larry Jones](#)
To: jriggs@swca.com; [Beverley A Everson](#); [Melinda D Roth](#); [Deborah K Sebesta](#); mreichard@swca.com; [Robert Lefevre](#); [Salek Shafiqullah](#); [Kendall Brown](#)
Subject: Fw: today's assignment--an update
Date: 01/07/2010 07:51 AM
Attachments: [12-17 Total Compilation Version with Disposition and Comments LJonesRLefevre comments 1 06 2010.docx](#)

Overwrite my previous version with this one from Bob Lefevre, as we had a miscommunicate along the way...so this updates for riparian. I'm out the door and won't be back until 1300 on Friday, in time for our meeting.

Larry Jones
Wildlife, Fish, and Rare Plants
Coronado National Forest
300 W Congress
Tucson, AZ 85701

520-388-8375
ljones02@fs.fed.us

----- Forwarded by Larry Jones/R3/USDAFS on 01/07/2010 07:48 AM -----

Robert Lefevre/R3/USDAFS
To: Larry Jones/R3/USDAFS@FSNOTES
cc
01/06/2010 04:51 PM Subject: Re: today's assignment 

Larry! I made one comment and saved it with the new title below. Concerning planting riparian trees along artificial waterways: I don't know if you misunderstood me or if I've changed my mind since we talked about it, but I think planting riparian trees along artificial waterways is a good idea. The only drawback would be if it compromised the engineering needed to pass the 100-year flood or something of



that nature. [12-17 Total Compilation Version with Disposition and Comments LJonesRLefevre comments 1 06 2010.docx](#)

Robert E. Lefevre
Forestry and Watershed Program Manager
Coronado National Forest
USDA Forest Service
520-388-8373
▼ [Larry Jones/R3/USDAFS](#)

Larry Jones/R3/USDAFS
To: Deborah K Sebesta/R3/USDAFS@FSNOTES, Robert Lefevre/R3/USDAFS@FSNOTES, Salek Shafiqullah/R3/USDAFS@FSNOTES, Beverley A Everson/R3/USDAFS@FSNOTES, Melinda D Roth/R3/USDAFS@FSNOTES, Kendall Brown/R3/USDAFS@FSNOTES, jriggs@swca.com
01/06/2010 04:04 PM cc: Richard A Gerhart/R3/USDAFS@FSNOTES, mreichard@swca.com

Subject today's assignment

seeing as i had very little time to work on today's assignment (from about 1300 up until now), here is what I have, in the form of the mitigation table with track changes. i was supposed to bring kendall and bob and debbie into this, so feel free to look over what i wrote about riparian and range and plants and animals. note that i exxed out a number of things because there was so much repetition, such as many mitigations about the "mitigation lands"...i think there only needs to be one. i won't have time to incorporate anything else until friday PM.

[attachment "12-17 Total Compilation Version with Disposition and Comments LJones comments 1 06 2010.docx" deleted by Robert Lefevre/R3/USDAFS]

Larry Jones
Wildlife, Fish, and Rare Plants
Coronado National Forest
300 W Congress
Tucson, AZ 85701

520-388-8375
ljones02@fs.fed.us

From: [Tami Emmett](mailto:TamiEmmett@fs.fed.us)
To: aelek@fs.fed.us; [Charles A Blair](mailto:CharlesA.Blair@fs.fed.us); [Deborah K Sebesta](mailto:Deborah.K.Sebesta@fs.fed.us); dkriegel@fs.fed.us; ecuriel@fs.fed.us; gmckay@fs.fed.us; kbrown03@fs.fed.us; kelleth@fs.fed.us; ljones02@fs.fed.us; [Mary M Farrell](mailto:MaryM.Farrell@fs.fed.us); [Melinda D Roth](mailto:MelindaD.Roth@fs.fed.us); mreichard@swca.com; rlefevre@fs.fed.us; sldavis@fs.fed.us; sshafiqullah@fs.fed.us; temmett@fs.fed.us; [Walter Keyes](mailto:Walter.Keyes@fs.fed.us); [William B Gillespie](mailto:William.B.Gillespie@fs.fed.us)
Subject: Fw: Updated Rosemont Mitigation Table (11 x 17)
Date: 01/26/2010 12:03 PM

Note to all - you'll need to print this on 11 x 17 paper (unless you know how to down size the table).

Personally the larger size works best for my old eyes!

Tami Emmett

Realty Specialist

Coronado National Forest, Region 3

Tucson, Arizona

520-388-8424 (office)

520-388-8305 (fax)

----- Forwarded by Tami Emmett/R3/USDAFS on 01/26/2010 12:00 PM -----

Beverley A Everson/R3/USDAFS

01/24/2010 06:54 PM

To aelek@fs.fed.us, [Charles A Blair/R3/USDAFS@FSNOTES](mailto:CharlesA.Blair@fs.fed.us), [Deborah K Sebesta/R3/USDAFS@FSNOTES](mailto:Deborah.K.Sebesta@fs.fed.us), dkriegel@fs.fed.us, ecuriel@fs.fed.us, gmckay@fs.fed.us, jrigg@swca.com, kbrown03@fs.fed.us, kelleth@fs.fed.us, ljones02@fs.fed.us, [Mary M Farrell/R3/USDAFS@FSNOTES](mailto:MaryM.Farrell@fs.fed.us), [Melinda D Roth/R3/USDAFS@FSNOTES](mailto:MelindaD.Roth@fs.fed.us), mreichard@swca.com, [Reta Laford/R3/USDAFS@FSNOTES](mailto:Reta.Laford@fs.fed.us), rlefevre@fs.fed.us, sldavis@fs.fed.us, sshafiqullah@fs.fed.us, temmett@fs.fed.us, tfurgason@swca.com, [Walter Keyes/R3/USDAFS@FSNOTES](mailto:Walter.Keyes@fs.fed.us), [William B Gillespie/R3/USDAFS@FSNOTES](mailto:William.B.Gillespie@fs.fed.us)

cc

Subject Fw: Updated Rosemont Mitigation Table

Beverley A. Everson

Forest Geologist

Coronado National Forest

300 W. Congress Street, 6th Floor

Tucson, AZ. 85701

Voice: 520-388-8428

Fax: 520-388-8305

----- Forwarded by Beverley A Everson/R3/USDAFS on 01/24/2010 06:54 PM -----

"Jonathan Rigg"
<jrigg@swca.com>

01/22/2010 01:49 PM

To <beverson@fs.fed.us>, "Melinda D Roth" <mroth@fs.fed.us>, <rlaford@fs.fed.us>, <jsturgess@rosemontcopper.com>, <karnold@rosemontcopper.com>
cc "Tom Furgason" <tfurgason@swca.com>

Subject Updated Rosemont Mitigation Table

Good afternoon all,

My apologies on getting this out a bit later than noon- The Rosemont mitigation table has been updated per our meetings over the last few weeks. Please review the table and let me know if there is anything that I missed or deviates significantly from what the group agreed upon. Per our discussions, any mitigation land items have been pulled from their respective resource section (although still identified in the resource's Category 5 subsection) and accumulated into a separate "Off-Site Mitigation Land" section toward the end of the list. These items have not yet been codified due to potential conflicts of which resources the off-site mitigation lands may mitigate (i.e. hunting vs. wildlife preservation), although the ACOE requirements can be codified as a 1. I also copied any monitoring related mitigation measures into a compilation list at the bottom of the list as well. The monitoring compilation list is not intended to be a complete list, just what came up in this table.

I highlighted the measures that need further clarification or editing in the Comment column and the person in charge of the clarification/edit . If these edits, or any others, change the disposition category of the measure or results in a significant change, please correspond with the counterpart at RCC (Kathy and/or Jamie) or Coronado (Bev, Reta, and/or Mindee) to obtain agreement on the updated measure prior to resubmitting. Obtaining the agreement before submitting will help document control and avoid having to create more versions of the table than is necessary.

Other items that have yet to be completely fleshed out are:

- Citing specific laws, regulations, and policies
- Documenting the NEPA reasoning behind a measure not being carried forward
- "Other Resource Benefit" column

If you have any questions, or have a recommendation on how to proceed with the editing, please let me and/or Tom know.

Have a great weekend!

Jonathan Rigg
Environmental Planner
SWCA Environmental Consultants
343 West Franklin Street
Tucson, Arizona
Phone: (520) 325-9194
Fax: (520) 325-2033
Email: jrigg@swca.com [attachment "1-22-09 Total Compilation.docx" deleted by Tami Emmett/R3/USDAFS]

Rocky Mountain Region

Toby Leeson, P.G., Supervising Hydrogeologist

1475 Pine Grove Road, Suite 109 Telephone: 970 879 6260
PO Box 774018 Facsimile: 970 879 9048
Steamboat Springs, Colorado 80477 Mobile: 970 846 4068

From: Dale Ortman PE [mailto:daleortmanpe@live.com]
Sent: Wednesday, October 21, 2009 7:09 AM
To: Richmond Leeson Jr.
Subject: RE: Update on Revised Rosemont model review memo

Toby,

Who will be the responsible person for the review? Please refer to the experience requirements outlined in the guidelines memo and the MWH personnel included in your original company qualifications submission to the CNF. At a meeting yesterday the CNF again stressed that they have reviewed and approved the qualifications of each subconsultant firm based on the CV's of specific personnel and if there are changes in these personnel they will need to review and approve the changes.

Cheers,

Dale

From: Richmond Leeson Jr.
[mailto:Toby.Leeson@us.mwhglobal.com]
Sent: Tuesday, October 20, 2009 2:05 PM
To: Dale Ortman PE
Cc: Stephen Taylor; Nathan W. Haws
Subject: Update on Revised Rosemont model review memo

Dale,

We are still working on our review comments. We decided it would

be wise to have another person more experienced than myself with numerical modeling to review the memo. and provide their comments. It has been a bit challenging to have Greg Wittman leave in the middle of this, and we want to make sure you get exactly what you are expecting, and make sure our review is thorough and of a high level of quality. As such, we have asked Nathan Haws, an engineer in our Tempe office, to review the model report and add his comments to the memo. Nathan will be conducting this additional review on MWH time, and we will not be charging you for any repeat work we have done.

Nathan is very experienced in modeling, and has firsthand experience in the Santa Cruz Valley. Nathan's experience with the Sahuarita/Green Valley area all deals with the FMI Sierrita Mitigation Order (Consent Docket P-50-06). His primary responsibility was development of the flow and transport model for the mitigation order. During the development, he became intimately familiar with the ADWR model and the water resources/hydrogeology of the area. Although he decided the ADWR model was not sufficient for the predictive needs of the Sierrita model, he did use much of the information from that model in the construction of the Sierrita Model. He also reviewed the Rosemont water supply well installation reports and projected Rosemont pumping rates in order to include impacts from Rosemont in the Sierrita model. Some specific experience (related to the mitigation order) included:

- Conducting and analyzing pumping tests
- Review of several water resources/hydrogeology reports for the area
- Estimation of future pumping in Green Valley/Sahuarita/FICO/FMI, etc
- Estimation of current and future recharge from recharge/storage facilities
- Estimation of aquifer parameters
- Estimation of tailing seepage and drawdown

I have attached a copy of his CV, as well as a short bio of his experience.

It is our intention to submit to you a revised memo. by the end of this week.

Please let us know if you have any questions or concerns with this plan.

Regards, Toby



Rocky Mountain Region

Toby Leeson, P.G., Supervising Hydrogeologist

1475 Pine Grove Road, Suite 109 Telephone: 970 879 6260
PO Box 774018 Facsimile: 970 879 9048
Steamboat Springs, Colorado 80477 Mobile: 970 846 4068

[attachment "Nathan Haws CV.docx" deleted by Roger D
Congdon/WO/USDAFS] [attachment "Nathan_Haws_8x6.pdf" deleted by
Roger D Congdon/WO/USDAFS]

From: [Charles A Blair](#)
To: [George McKay](#)
Cc: [abelauskas@fs.fed.us](#); [aelek@fs.fed.us](#); [Beverley A Everson](#); [ccleblanc@fs.fed.us](#); [dkriegel@fs.fed.us](#); [dsebesta@fs.fed.us](#); [ecuriel@fs.fed.us](#); [hschewel@fs.fed.us](#); [Jeremy J Sautter](#); [Kendall Brown](#); [ljones02@fs.fed.us](#); [Melinda D Roth](#); [mfarrell@fs.fed.us](#); [mreichard@swca.com](#); [rlaford@fs.fed.us](#); [rlefevre@fs.fed.us](#); [seanlockwood@fs.fed.us](#); [sldavis@fs.fed.us](#); [sshafiqullah@fs.fed.us](#); [temmett@fs.fed.us](#); [tfurgason@swca.com](#); [Walter Keyes](#); [William B Gillespie](#)
Subject: Re: Barrel-Only Landform
Date: 06/29/2010 03:56 PM

I concur.

George McKay/R3/USDAFS

06/29/2010 03:21 PM

To Beverley A Everson/R3/USDAFS@FSNOTES

cc abelauskas@fs.fed.us, aelek@fs.fed.us, cablair@fs.fed.us, ccleblanc@fs.fed.us, dkriegel@fs.fed.us, dsebesta@fs.fed.us, ecuriel@fs.fed.us, hschewel@fs.fed.us, Jeremy J Sautter/R3/USDAFS@FSNOTES, Kendall Brown/R3/USDAFS@FSNOTES, ljones02@fs.fed.us, Melinda D Roth/R3/USDAFS@FSNOTES, mfarrell@fs.fed.us, mreichard@swca.com, rlaford@fs.fed.us, rlefevre@fs.fed.us, seanlockwood@fs.fed.us, sldavis@fs.fed.us, sshafiqullah@fs.fed.us, temmett@fs.fed.us, tfurgason@swca.com, Walter Keyes/R3/USDAFS@FSNOTES, William B Gillespie/R3/USDAFS@FSNOTES

Subject Re: Barrel-Only Landform [Link](#)

Is there a reason why this map does not show section and private ownership lines? It would make it a heck of a lot easier to orientate the alternative to the land ownership and real world if it did, especially for lands.

Beverley A
Everson/R3/USDAFS

06/29/2010 02:40 PM

To abelauskas@fs.fed.us, aelek@fs.fed.us, cablair@fs.fed.us, ccleblanc@fs.fed.us, dkriegel@fs.fed.us, dsebesta@fs.fed.us, ecuriel@fs.fed.us, gmckay@fs.fed.us, hschewel@fs.fed.us, Kendall Brown/R3/USDAFS@FSNOTES, ljones02@fs.fed.us, Melinda D Roth/R3/USDAFS@FSNOTES, mfarrell@fs.fed.us, mreichard@swca.com, rlaford@fs.fed.us, rlefevre@fs.fed.us, seanlockwood@fs.fed.us, sldavis@fs.fed.us, sshafiqullah@fs.fed.us, temmett@fs.fed.us, tfurgason@swca.com, Walter Keyes/R3/USDAFS@FSNOTES, William B Gillespie/R3/USDAFS@FSNOTES, Jeremy J Sautter/R3/USDAFS@FSNOTES

cc

Subject Barrel-Only Landform

FYI. Also, we will be discussing this briefly in the IDT meeting tomorrow. I will send the link to the

Scholefield footprint that we will also be discussing, briefly.

Beverley A. Everson
Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

Voice: 520-388-8428

Fax: 520-388-8305

----- Forwarded by Beverley A Everson/R3/USDAFS on 06/29/2010 02:38 PM -----

"Dale Ortman PE"
<daleortmanpe@live.com>

06/27/2010 07:02 PM

To "Debby Kriegel" <dkriegel@fs.fed.us>, "Salek Shafiqullah" <sshafiqullah@fs.fed.us>, <mbidwell@swca.com>, "Kathy Arnold" <karnold@rosemontcopper.com>, <fsamorano@rosemontcopper.com>, "Krizek, David" <David.Krizek@tetrattech.com>
cc "Beverley A Everson" <beverson@fs.fed.us>, <tfurgason@swca.com>, "Jonathan Rigg" <jrigg@swca.com>, "Melissa Reichard" <mreichard@swca.com>
Subject Barrel-Only Landform

All,

Attached is the latest landform topography developed by Rosemont for the Barrel-Only landform alternative. This landform has been developed through the joint efforts of the CNF, SWCA, Rosemont, and TetraTech and incorporates the following elements:

- Extension of the Upper Barrel drainage within the landform
- Multiple ridge landforms with differing elevations
- Potential for variable slopes on eastern flanks of the landform
- Potential for reduction in number of drainage control benches on eastern flank of landform
- Improved stormwater discharge control utilizing the extension of the Upper Barrel drainage
- Maintain overall 3:1 slopes with drainage benches on west side of landform to provide required storage capacity and maintain tailings placement operations
- Maintain waste rock perimeter buttress surrounding tailings
- Maintain encapsulation of the heap leach facility

The team has done an excellent job in the collaborative effort to develop this landform concept. I believe we have reached a point in the process where the landform concept should be turned over to Rosemont for final engineering development as the Barrel-Only Alternative for consideration in the DEIS. I recommend that, in addition to the general design objectives listed above, Rosemont develop the following during the final engineering:

- Confirm constructability of the landform
- Summarize the concurrent & final reclamation plan
- General layout of rock sub-drains & flow-through drains

- General stormwater control plan, including commitment to the design criteria currently in the Site Water Management Plan Update

In addition, I propose that we not meet on June 30th as currently scheduled but the team review the attached landform and provide any additional design objectives for Rosemont to include in the final engineering. Please get back to me ASAP with comments and any design objectives you believe should be included in the final design.

If you have any questions please email me or try the Utah phone listed below.

Regards,

Dale

Dale Ortman PE PLLC
Consulting Engineer

(520) 896-2404 - Arizona Office
(520) 449-7307 - Mobile
(435) 682-2777 - Utah Office

daleortmanpe@live.com

PO Box 1233
Oracle, AZ 85623

[attachment "Prelim Barrel_Proposed Survey Area.pdf" deleted by George McKay/R3/USDAFS]

From: [Beverley A Everson](#)
To: [George McKay](#)
Cc: [abelauskas@fs.fed.us](#); [aelek@fs.fed.us](#); [cablair@fs.fed.us](#); [ccleblanc@fs.fed.us](#); [dkriegel@fs.fed.us](#); [dsebesta@fs.fed.us](#); [ecuriel@fs.fed.us](#); [hschewel@fs.fed.us](#); [Jeremy J Sautter](#); [Kendall Brown](#); [ljones02@fs.fed.us](#); [Melinda D Roth](#); [mfarrell@fs.fed.us](#); [mreichard@swca.com](#); [rlaford@fs.fed.us](#); [rlefevre@fs.fed.us](#); [seanlockwood@fs.fed.us](#); [sldavis@fs.fed.us](#); [sshafiqullah@fs.fed.us](#); [temmett@fs.fed.us](#); [tfurgason@swca.com](#); [Walter Keyes](#); [William B Gillespie](#); [Jeremy J Sautter](#); [jrigg@swca.com](#); [daleortmanpe@live.com](#)
Subject: Re: Barrel-Only Landform
Date: 06/29/2010 03:55 PM

Dale, Tom and Jonathan,

Can this info be added to the map?

Bev

Beverley A. Everson
Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

Voice: 520-388-8428

Fax: 520-388-8305

George McKay/R3/USDAFS

06/29/2010 03:21 PM

To Beverley A Everson/R3/USDAFS@FSNOTES

cc abelauskas@fs.fed.us, aelek@fs.fed.us, cablair@fs.fed.us, ccleblanc@fs.fed.us, dkriegel@fs.fed.us, dsebesta@fs.fed.us, ecuriel@fs.fed.us, hschewel@fs.fed.us, Jeremy J Sautter/R3/USDAFS@FSNOTES, Kendall Brown/R3/USDAFS@FSNOTES, ljones02@fs.fed.us, Melinda D Roth/R3/USDAFS@FSNOTES, mfarrell@fs.fed.us, mreichard@swca.com, rlaford@fs.fed.us, rlefevre@fs.fed.us, seanlockwood@fs.fed.us, sldavis@fs.fed.us, sshafiqullah@fs.fed.us, temmett@fs.fed.us, tfurgason@swca.com, Walter Keyes/R3/USDAFS@FSNOTES, William B Gillespie/R3/USDAFS@FSNOTES

Subject Re: Barrel-Only Landform [Link](#)

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06/29/2010 02:40 PM

To abelauskas@fs.fed.us, aelek@fs.fed.us, cablair@fs.fed.us, ccleblanc@fs.fed.us, dkriegel@fs.fed.us, dsebesta@fs.fed.us, ecuriel@fs.fed.us, gmckay@fs.fed.us, hschewel@fs.fed.us, Kendall Brown/R3/USDAFS@FSNOTES, ljones02@fs.fed.us, Melinda D Roth/R3/USDAFS@FSNOTES, mfarrell@fs.fed.us, mreichard@swca.com, rlaford@fs.fed.us, rlefevre@fs.fed.us, seanlockwood@fs.fed.us, sldavis@fs.fed.us, sshafiqullah@fs.fed.us, temmett@fs.fed.us, tfurgason@swca.com, Walter Keyes/R3/USDAFS@FSNOTES, William B

Gillespie/R3/USDAFS@FSNOTES, Jeremy J
Sautter/R3/USDAFS@FSNOTES

cc

Subject Barrel-Only Landform

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Beverley A. Everson
Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

Voice: 520-388-8428

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<daleortmanpe@live.com>

06/27/2010 07:02 PM

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cc "Beverley A Everson" <beverson@fs.fed.us>, <tfurgason@swca.com>, "Jonathan Rigg" <jrigg@swca.com>, "Melissa Reichard" <mreichard@swca.com>

Subject Barrel-Only Landform

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If you have any questions please email me or try the Utah phone listed below.

Regards,

Dale

Dale Ortman PE PLLC
Consulting Engineer

(520) 896-2404 - Arizona Office
(520) 449-7307 - Mobile
(435) 682-2777 - Utah Office

daleortmanpe@live.com

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From: [George McKay](#)
To: [Beverley A Everson](#)
Cc: [abelauskas@fs.fed.us](#); [aelek@fs.fed.us](#); [cablair@fs.fed.us](#); [ccleblanc@fs.fed.us](#); [dkriegel@fs.fed.us](#); [dsebesta@fs.fed.us](#); [ecuriel@fs.fed.us](#); [hschewel@fs.fed.us](#); [Jeremy J Sautter](#); [Kendall Brown](#); [ljones02@fs.fed.us](#); [Melinda D Roth](#); [mfarrell@fs.fed.us](#); [mreichard@swca.com](#); [rlaford@fs.fed.us](#); [rlfevre@fs.fed.us](#); [seanlockwood@fs.fed.us](#); [sldavis@fs.fed.us](#); [sshafiqullah@fs.fed.us](#); [temmett@fs.fed.us](#); [tfurgason@swca.com](#); [Walter Keyes](#); [William B Gillespie](#)
Subject: Re: Barrel-Only Landform
Date: 06/29/2010 03:21 PM

Is there a reason why this map does not show section and private ownership lines? It would make it a heck of a lot easier to orientate the alternative to the land ownership and real world if it did, especially for lands.

Beverley A Everson/R3/USDAFS

06/29/2010 02:40 PM

To [abelauskas@fs.fed.us](#), [aelek@fs.fed.us](#), [cablair@fs.fed.us](#), [ccleblanc@fs.fed.us](#), [dkriegel@fs.fed.us](#), [dsebesta@fs.fed.us](#), [ecuriel@fs.fed.us](#), [gmckay@fs.fed.us](#), [hschewel@fs.fed.us](#), [Kendall Brown/R3/USDAFS@FSNOTES](#), [ljones02@fs.fed.us](#), [Melinda D Roth/R3/USDAFS@FSNOTES](#), [mfarrell@fs.fed.us](#), [mreichard@swca.com](#), [rlaford@fs.fed.us](#), [rlfevre@fs.fed.us](#), [seanlockwood@fs.fed.us](#), [sldavis@fs.fed.us](#), [sshafiqullah@fs.fed.us](#), [temmett@fs.fed.us](#), [tfurgason@swca.com](#), [Walter Keyes/R3/USDAFS@FSNOTES](#), [William B Gillespie/R3/USDAFS@FSNOTES](#), [Jeremy J Sautter/R3/USDAFS@FSNOTES](#)

cc

Subject Barrel-Only Landform

FYI. Also, we will be discussing this briefly in the IDT meeting tomorrow. I will send the link to the Scholefield footprint that we will also be discussing, briefly.

Beverley A. Everson
Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

Voice: 520-388-8428

Fax: 520-388-8305

----- Forwarded by Beverley A Everson/R3/USDAFS on 06/29/2010 02:38 PM -----

"Dale Ortman PE"
<daleortmanpe@live.com>

06/27/2010 07:02 PM

To "Debby Kriegel" <dkriegel@fs.fed.us>, "Salek Shafiqullah" <sshafiqullah@fs.fed.us>, <mbidwell@swca.com>, "Kathy Arnold" <karnold@rosemontcopper.com>, <fsamorano@rosemontcopper.com>, "Krizek, David" <David.Krizek@tetrattech.com>

cc "Beverley A Everson" <bевerson@fs.fed.us>, <tfurgason@swca.com>, "Jonathan Rigg" <jrigg@swca.com>, "Melissa Reichard" <mreichard@swca.com>

Subject Barrel-Only Landform

All,

Attached is the latest landform topography developed by Rosemont for the Barrel-Only landform alternative. This landform has been developed through the joint efforts of the CNF, SWCA, Rosemont, and TetraTech and incorporates the following elements:

- Extension of the Upper Barrel drainage within the landform
- Multiple ridge landforms with differing elevations
- Potential for variable slopes on eastern flanks of the landform
- Potential for reduction in number of drainage control benches on eastern flank of landform
- Improved stormwater discharge control utilizing the extension of the Upper Barrel drainage
- Maintain overall 3:1 slopes with drainage benches on west side of landform to provide required storage capacity and maintain tailings placement operations
- Maintain waste rock perimeter buttress surrounding tailings
- Maintain encapsulation of the heap leach facility

The team has done an excellent job in the collaborative effort to develop this landform concept. I believe we have reached a point in the process where the landform concept should be turned over to Rosemont for final engineering development as the Barrel-Only Alternative for consideration in the DEIS. I recommend that, in addition to the general design objectives listed above, Rosemont develop the following during the final engineering:

- Confirm constructability of the landform
- Summarize the concurrent & final reclamation plan
- General layout of rock sub-drains & flow-through drains
- General stormwater control plan, including commitment to the design criteria currently in the Site Water Management Plan Update

In addition, I propose that we not meet on June 30th as currently scheduled but the team review the attached landform and provide any additional design objectives for Rosemont to include in the final engineering. Please get back to me ASAP with comments and any design objectives you believe should be included in the final design.

If you have any questions please email me or try the Utah phone listed below.

Regards,

Dale

Dale Ortman PE PLLC
Consulting Engineer

(520) 896-2404 - Arizona Office

(520) 449-7307 - Mobile

(435) 682-2777 - Utah Office

daleortmanpe@live.com

PO Box 1233

Oracle, AZ 85623

[attachment "Prelim Barrel_Proposed Survey Area.pdf" deleted by George McKay/R3/USDAFS]

From: [Rion Bowers](#)
To: [Robert Lefevre](#)
Cc: [Tom Furgason](#); [Charles Coyle](#); [Larry Jones](#); [Salek Shafiqullah](#); [Beverley A Everson](#); [Dale Ortman PE](#)
Subject: RE: bio.pdf
Date: 07/09/2009 07:46 AM
Attachments: [groundwater.pdf](#)
[Water Resources Bounds.pdf](#)

Bob,

The water resources bounds of analysis map is based on the rational presented in the attached memorandum. This memo covers onsite and offsite surface and ground water resources. You have the surface water map, and I have attached the proposed ground water bounds map as well. I believe this information was previously provided to Salek, so he should also have it for review. I hope you find this information helpful. Looking forward to your comments.

Thanks,

Rion

Rion J. Bowers

Senior Project Manager - Environmental Planner

SWCA Environmental Consultants

343 West Franklin Street

Tucson, Arizona 85701

e-mail: rbowers@swca.com

Phone: (520) 325-9194

Fax: (520) 325-2033

From: Robert Lefevre [<mailto:rlfevre@fs.fed.us>]
Sent: Wednesday, July 08, 2009 4:53 PM
To: Rion Bowers
Cc: Tom Furgason; Charles Coyle; Larry Jones; Salek Shafiqullah; Beverley A Everson
Subject: Re: bio.pdf

Hi, Rion. Thanks for sending me the maps for riparian and water resources bounds of analysis. I am working with Salek and Larry on a response. Before you get too far, I need to tell that the bounds are way too restrictive. I want to propose a larger area that will take into consideration the groundwater changes that will affect springs and consequently surface water and riparian areas after they dig the pit. I'll be sending a shapefile.

Robert E. Lefevre

Forestry and Watershed Program Manager

Coronado National Forest

USDA Forest Service

520-388-8373

"Rion Bowers" <rbowers@swca.com>

To <rlfevre@fs.fed.us>

cc

07/07/2009 11:35 AM

Subject bio.pdf

[attachment "bio.pdf" deleted by Robert Lefevre/R3/USDAFS]

From: [Salek Shafiqullah](#)
To: [Victoria Boyne](#)
Subject: Re: Tetra Tech references
Date: 06/14/2010 01:44 PM

Thanks.

Salek Shafiqullah, Hydrologist
Coronado National Forest
520-388-8377

▼ ["Victoria Boyne" <vboyne@swca.com>](mailto:vboyne@swca.com)

"Victoria Boyne"
<vboyne@swca.com> To <sshafiqullah@fs.fed.us>
cc
06/14/2010 10:11 AM Subject Tetra Tech references

Here you are.

Victoria Boyne[attachment "Tetra Tech references.pdf" deleted by Salek Shafiqullah/R3/USDAFS]

From: [Robert Lefevre](#)
To: [Rion Bowers](#)
Cc: tfurgason@swca.com; ccoyle@swca.com; [Larry Jones](#); [Salek Shafiqullah](#); [Beverley A Everson](#)
Subject: Re: bio.pdf
Date: 07/08/2009 04:52 PM

Hi, Rion. Thanks for sending me the maps for riparian and water resources bounds of analysis. I am working with Salek and Larry on a response. Before you get too far, I need to tell that the bounds are way too restrictive. I want to propose a larger area that will take into consideration the groundwater changes that will affect springs and consequently surface water and riparian areas after they dig the pit. I'll be sending a shapefile.

Robert E. Lefevre
Forestry and Watershed Program Manager
Coronado National Forest
USDA Forest Service
520-388-8373

▼ ["Rion Bowers" <rbowers@swca.com>](mailto:rbowers@swca.com)

"Rion Bowers"
<rbowers@swca.com> To <rlefevre@fs.fed.us>
cc
07/07/2009 11:35 AM Subject bio.pdf

[attachment "bio.pdf" deleted by Robert Lefevre/R3/USDAFS]

From: [Melinda D Roth](mailto:Melinda_D_Roth)
To: [Reta Laford](mailto:Reta_Laford)
Cc: daleortmanpe@live.com; jsturgess@augustaresource.com; karnold@rosemontcopper.com; [Reta Laford](mailto:Reta_Laford@fs.fed.us); tfurgason@swca.com; [Salek Shafiqullah](mailto:Salek_Shafiqullah)
Subject: Re: Clarify due date for finalizing -e: SRK Review of Davidson Canyon & Natural Fluctuation in Groundwater Reports
Date: 06/10/2010 01:08 PM

As we heard at yesterday's Status meeting, this question will be answered in one of a series of tech memos following the June 22 groundwater hydrology model meeting..

Mindee Roth
Coronado National Forest
300 W. Congress, FB42
Tucson, AZ 85701
(520) 388-8319
(520) 396-0715 (cell)
(520) 388-8305 (FAX)

▼ [Reta Laford/R3/USDAFS](#)

**Reta
Laford/R3/USDAFS**

06/02/2010 06:54 AM

To Melinda D Roth/R3/USDAFS@FSNOTES
cc "Reta Laford" <rlaford@fs.fed.us>, karnold@rosemontcopper.com, jsturgess@augustaresource.com, daleortmanpe@live.com, tfurgason@swca.com
Subject Clarify due date for finalizing -e: SRK Review of Davidson Canyon & Natural Fluctuation in Groundwater Reports 

Mindee - Please clarify with a date as to when finalization is due.
Thank you.

▼ [Melinda D Roth](#)

----- Original Message -----

From: Melinda D Roth

Sent: 05/27/2010 11:28 AM MST

To: Reta Laford

Subject: Fw: SRK Review of Davidson Canyon & Natural Fluctuation in Groundwater Reports

Conclusions: Report acceptable with limited and minor modifications.
Finalization of this report to be informed by finalization of groundwater modeling.

Mindee Roth
Coronado National Forest
300 W. Congress, FB42
Tucson, AZ 85701
(520) 388-8319
(520) 396-0715 (cell)

(520) 388-8305 (FAX)

----- Forwarded by Melinda D Roth/R3/USDAFS on 05/27/2010 11:25 AM -----

"Dale Ortman PE"
<daleortmanpe@live.com>

05/27/2010 11:08 AM

To "Kathy Arnold" <karnold@rosemontcopper.com>
cc "Beverley A Everson" <beverson@fs.fed.us>, "Jonathan Rigg" <jrigg@swca.com>, "Melissa Reichard" <mreichard@swca.com>, "Melinda D Roth" <mroth@fs.fed.us>, "Tom Furgason" <tfurgason@swca.com>, "Roger D Congdon" <rcongdon@fs.fed.us>, "Salek Shafiqullah" <sshafiqullah@fs.fed.us>, "Stone, Claudia" <cstone@srk.com>
Subject RE: SRK Review of Davidson Canyon & Natural Fluctuation in Groundwater Reports

Kathy,

Attached is the SRK review of TetraTech's Davidson Canyon report. As you can see from the emails below it has been reviewed by the CNF and I have been requested to forward it on to you for Rosemont's response. Both the CNF and I believe any questions regarding this document may be resolved in coordination with the ongoing review of the mine site groundwater model, pit lake geochemistry, and infiltration fate & transport reports.

Please let us know how Rosemont wants to proceed.

Regards,

Dale

Dale Ortman PE PLLC
Consulting Engineer

(520) 896-2404 - Arizona Office
(520) 449-7307 - Mobile
(435) 682-2777 - Utah Office

daleortmanpe@live.com

PO Box 1233
Oracle, AZ 85623

From: Salek Shafiqullah [mailto:sshafiqullah@fs.fed.us]
Sent: Thursday, May 27, 2010 10:22 AM
To: Dale Ortman PE
Cc: 'Beverley A Everson'; 'Jonathan Rigg'; 'Melissa Reichard'; 'Melinda D Roth'; 'Tom Furgason'; Roger D Congdon
Subject: Re: SRK Review of Davidson Canyon & Natural Fluctuation in Groundwater Reports

Hello Dale,
I have reviewed the SRK memo and find it acceptable. Please forward it to Rosemont and I agree with the strategy out lined below. Thanks.

Salek Shafiqullah, Hydrologist
Coronado National Forest
520-388-8377

"Dale Ortman PE"
<daleortmanpe@live.com>

05/13/2010 08:58 AM

To "Salek Shafiqullah" <sshafiqullah@fs.fed.us>
cc "Beverley A Everson" <beverson@fs.fed.us>, "Melinda D Roth" <mroth@fs.fed.us>, "Tom Furgason" <tfurgason@swca.com>, "Jonathan Rigg" <jrigg@swca.com>, "Melissa Reichard" <mreichard@swca.com>
Subject SRK Review of Davidson Canyon & Natural Fluctuation in Groundwater Reports

Salek,

Attached is the SRK Technical Memorandum reviewing TetraTech's Davidson Canyon report and Montgomery's report on natural fluctuations in groundwater levels in the Cienega Basin. The memo finds TetraTech's conclusions regarding the potential effects on springs, seeps, and perennial flow sections of Davidson Canyon and lower Cienega Creek to be reasonable and recommends only that the conclusions be revisited when the mine site groundwater model and pit drawdown cone is finalized. In addition, SRK includes several editorial comments that may improve understanding of the memo but do not alter the fundamental conclusions.

The review of the summary of natural fluctuations in the groundwater level and comparing it to the predicted pit drawdown also finds the conclusions reasonable; only recommending that the findings be revisited once the mine site groundwater model is finalized. As with the Davidson Canyon report, SRK includes some editorial comments but these do not alter the fundamental conclusions.

I recommend that the Technical Memorandum be forwarded to Rosemont with a request to respond to the editorial comments but hold the final revisions until the mine site groundwater model is finalized.

Please review the attached Technical Memorandum and advise us of how you want us to proceed.

Regards,

Dale

Dale Ortman PE PLLC
Consulting Engineer

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Oracle, AZ 85623

[attachment "Davidson
Canyon_Memo_183101_VU_20100511_FINAL.pdf" deleted by Reta
Laford/R3/USDAFS]

From: [Melinda D Roth](mailto:Melinda_D_Roth)
To: [Reta Laford](mailto:Reta_Laford)
Cc: daleortmanpe@live.com; jsturgess@augustaresource.com; karnold@rosemontcopper.com; [Reta Laford](mailto:Reta_Laford@fs.fed.us); tfurgason@swca.com; [Salek Shafiqullah](mailto:Salek_Shafiqullah)
Subject: Re: Clarify due date for finalizing -e: SRK Review of Davidson Canyon & Natural Fluctuation in Groundwater Reports
Date: 06/10/2010 01:08 PM

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Mindee Roth
Coronado National Forest
300 W. Congress, FB42
Tucson, AZ 85701
(520) 388-8319
(520) 396-0715 (cell)
(520) 388-8305 (FAX)

▼ [Reta Laford/R3/USDAFS](#)

**Reta
Laford/R3/USDAFS**

06/02/2010 06:54 AM

To Melinda D Roth/R3/USDAFS@FSNOTES
cc "Reta Laford" <rlaford@fs.fed.us>, karnold@rosemontcopper.com, jsturgess@augustaresource.com, daleortmanpe@live.com, tfurgason@swca.com
Subject Clarify due date for finalizing -e: SRK Review of Davidson Canyon & Natural Fluctuation in Groundwater Reports 

Mindee - Please clarify with a date as to when finalization is due.
Thank you.

▼ [Melinda D Roth](#)

----- Original Message -----

From: Melinda D Roth
Sent: 05/27/2010 11:28 AM MST
To: Reta Laford
Subject: Fw: SRK Review of Davidson Canyon & Natural Fluctuation in Groundwater Reports
Conclusions: Report acceptable with limited and minor modifications.
Finalization of this report to be informed by finalization of groundwater modeling.

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300 W. Congress, FB42
Tucson, AZ 85701
(520) 388-8319
(520) 396-0715 (cell)

(520) 388-8305 (FAX)

----- Forwarded by Melinda D Roth/R3/USDAFS on 05/27/2010 11:25 AM -----

"Dale Ortman PE"
<daleortmanpe@live.com>

05/27/2010 11:08 AM

To ""Kathy Arnold"" <karnold@rosemontcopper.com>
cc ""Beverley A Everson"" <beverson@fs.fed.us>, ""Jonathan Rigg"" <jrigg@swca.com>, ""Melissa Reichard"" <mreichard@swca.com>, ""Melinda D Roth"" <mroth@fs.fed.us>, ""Tom Furgason"" <tfurgason@swca.com>, ""Roger D Congdon"" <rcongdon@fs.fed.us>, ""Salek Shafiqullah"" <sshafiqullah@fs.fed.us>, ""Stone, Claudia"" <cstone@srk.com>
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Regards,

Dale

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Consulting Engineer

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daleortmanpe@live.com

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Sent: Thursday, May 27, 2010 10:22 AM
To: Dale Ortman PE
Cc: 'Beverley A Everson'; 'Jonathan Rigg'; 'Melissa Reichard'; 'Melinda D Roth'; 'Tom Furgason'; Roger D Congdon
Subject: Re: SRK Review of Davidson Canyon & Natural Fluctuation in Groundwater Reports

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Salek Shafiqullah, Hydrologist
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520-388-8377

"Dale Ortman PE"
<daleortmanpe@live.com>

05/13/2010 08:58 AM

To "Salek Shafiqullah" <sshafiqullah@fs.fed.us>
cc "Beverley A Everson" <beverson@fs.fed.us>, "Melinda D Roth" <mroth@fs.fed.us>, "Tom Furgason" <tfurgason@swca.com>, "Jonathan Rigg" <jrigg@swca.com>, "Melissa Reichard" <mreichard@swca.com>
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Regards,

Dale

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Consulting Engineer

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(435) 682-2777 - Utah Office

daleortmanpe@live.com

PO Box 1233
Oracle, AZ 85623

[attachment "Davidson
Canyon_Memo_183101_VU_20100511_FINAL.pdf" deleted by Reta
Laford/R3/USDAFS]

From: [Mary M Farrell](#)
To: [Melinda D Roth](#)
Cc: [Arthur S Elek](#); [Beverley A Everson](#); [Charles A Blair](#); [Deborah K Sebesta](#); dkriegel@fs.fed.us; ecuriel@fs.fed.us; gmckay@fs.fed.us; jrigg@swca.com; kbrown03@fs.fed.us; kelleth@fs.fed.us; ljones02@fs.fed.us; mreichard@swca.com; Reta Laford; rlfevre@fs.fed.us; sldavis@fs.fed.us; sshafiqullah@fs.fed.us; temmett@fs.fed.us; tfurgason@swca.com; [Walter Keyes](#); [William B Gillespie](#)
Subject: Re: Feb. 10, 2010 Extended IDT Meeting Agenda.docx
Date: 02/09/2010 02:59 PM

Mindee, I've been struggling with 2 questions and if there's time, I wonder if we could get guidance at the meeting tomorrow, or at least make sure I'm framing the questions correctly?

1. What's the best way to define the area of analysis for cumulative effects? Bill and I suspect this would be different for each resource, and we have one example for cultural resources (from Carlota Mine), but it isn't exactly comparable. For archaeology, it might make sense to define the bounds of analysis as everywhere there are sites of similar age and cultural affiliation; for tribal concerns, it could include the aboriginal territories of all tribes who continue to have ties to the project area.

2. What documents need to go into the DEIS appendix/appendices?

See you tomorrow.

Mary

Mary M. Farrell
Heritage Program Leader and Tribal Liaison
Coronado National Forest
300 W. Congress
Tucson, AZ 85701
(520) 388-8391
(520) 388-8305 (fax)

Melinda D Roth/R3/USDAFS

02/09/2010 08:33 AM

To: Beverley A Everson/R3/USDAFS@FSNOTES

cc: Arthur S Elek/R3/USDAFS@FSNOTES, Beverley A Everson/R3/USDAFS@FSNOTES, Charles A Blair/R3/USDAFS@FSNOTES, Deborah K Sebesta/R3/USDAFS@FSNOTES, dkriegel@fs.fed.us, ecuriel@fs.fed.us, gmckay@fs.fed.us, jrigg@swca.com, kbrown03@fs.fed.us, kelleth@fs.fed.us, ljones02@fs.fed.us, Mary M Farrell/R3/USDAFS@FSNOTES, mreichard@swca.com, Reta Laford/R3/USDAFS@FSNOTES, rlfevre@fs.fed.us, sldavis@fs.fed.us, sshafiqullah@fs.fed.us, temmett@fs.fed.us, tfurgason@swca.com, Walter Keyes/R3/USDAFS@FSNOTES, William B Gillespie/R3/USDAFS@FSNOTES

Subject: Re: Feb. 10, 2010 Extended IDT Meeting Agenda.docx [Link](#)

See you in 6V6.

Mindee Roth
Coronado National Forest
300 W. Congress, FB42
Tucson, AZ 85701

(520) 388-8319
(520) 396-0715 (cell)
(520) 388-8305 (FAX)

Beverley A Everson/R3/USDAFS

02/06/2010 04:51 PM

To Charles A Blair/R3/USDAFS@FSNOTES, Deborah K Sebesta/R3/USDAFS@FSNOTES, dkriegel@fs.fed.us, ecuriel@fs.fed.us, gmckay@fs.fed.us, jrigg@swca.com, kbrown03@fs.fed.us, kellett@fs.fed.us, ljones02@fs.fed.us, Mary M Farrell/R3/USDAFS@FSNOTES, Melinda D Roth/R3/USDAFS@FSNOTES, mreichard@swca.com, Reta Laford/R3/USDAFS@FSNOTES, rlefevre@fs.fed.us, sldavis@fs.fed.us, sshafiqullah@fs.fed.us, temmett@fs.fed.us, tfurgason@swca.com, Walter Keyes/R3/USDAFS@FSNOTES, William B Gillespie/R3/USDAFS@FSNOTES, Arthur S Elek/R3/USDAFS@FSNOTES, Beverley A Everson/R3/USDAFS@FSNOTES

cc

Subject Feb. 10, 2010 Extended IDT Meeting Agenda.docx

The agenda for the meeting is attached. Note that this is an extended team meeting, and that it will be a half day. I will need to double check the meeting room and get back to you to confirm; the meeting will either be in 6V6 or 4B.

Beverley A. Everson
Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

Voice: 520-388-8428
Fax: 520-388-8305

[attachment "Feb. 10, 2010 IDT Meeting Agenda.docx" deleted by Mary M Farrell/R3/USDAFS]

From: [Debby Kriegel](#)
To: [Kent C Ellett](#)
Cc: [Beverley A Everson](#); [Robert Lefevre](#); [Deborah K Sebesta](#); [Larry Jones](#); [Melinda D Roth](#); [Reta Laford](#); [Salek Shafiqullah](#); [Tami Emmett](#); [Teresa Ann Ciapusci](#)
Subject: Re: Forest response to proposed utility lines for Rosemont project
Date: 04/30/2010 07:33 AM

Kent,

Thank you for providing this summary of comments!

I think it's too early for us to decide on a preferred route. Analysis for the mine (including the power line) is barely getting underway, and analysis based on a 1000 ft wide study corridor is too crude. I personally need to understand a more precise proposed route for the lines to determine effects on visual quality and recreation setting. Also, visual simulations (which SWCA will be working on in the future) should be helpful.

Based on the line being operational 99.8% of the time, that works out to the power being out 18 hours each year. Are we really ok with allowing miles of permanent power line south of the mine just because they'll have to run backup power less than one day a year?

Also, did we get an answer from TEP on whether the Box Canyon line will need maintenance within the next few years? That work, plus construction of new lines, could dramatically increase impacts on forest resources.

Thanks.

Debby

▼ [Kent C Ellett/R3/USDAFS](#)

**Kent C
Ellett/R3/USDAFS**

04/29/2010 02:42 PM

To Reta Laford/R3/USDAFS@FSNOTES, Beverley A Everson/R3/USDAFS@FSNOTES, Melinda D Roth/R3/USDAFS@FSNOTES
cc Teresa Ann Ciapusci/R3/USDAFS@FSNOTES, Deborah K Sebesta/R3/USDAFS@FSNOTES, Larry Jones/R3/USDAFS@FSNOTES, Bob Lefevre, Salek Shafiqullah/R3/USDAFS@FSNOTES, Debby Kriegel/R3/USDAFS@FSNOTES, Tami Emmett/R3/USDAFS@FSNOTES
Subject Forest response to proposed utility lines for Rosemont project

Attached is a Draft 1 1/2 page response to EPG. I think I've capture most inputs.

As a Forest do we want to state our preferred route or leave it loose

ended?

For example: Currently we say segments 160, 170, 190 and 210 are preferred for air quality since it would reduce the need for back-up generators but they would add to adverse visual impacts, although it may allow TEP to remove segment 150 through Box Canyon.

For archeology we prefer the Adjacent 46kV (southern) route but it would result in the most miles of utility lines on the Forest, affecting wildlife, visual and watersheds.

Going with the UofA's preferred route of going along Santa Rita Rd would provide the fewest miles on FS lands but would go by Huerfano Butte and could disturb Helvetia - archeology/heritage.

So, in the response we state pros here and cons there. So again, back to the question. Do we want to discuss as an ID Team and come to an agreement on the Forest's preferred route or leave the response as it is for now?

Reta, Bev, Mindee your thoughts?

Thanks,

Kent C. Ellett
District Ranger, Nogales RD
520-761-6002 (w), 520-975-0902 (cell)

[attachment "April2010_Forest comments RE proposed Rosemont utilities.docx" deleted by Debby Kriegel/R3/USDAFS]

"Dale Ortman PE"
<daleortmanpe@live.com>

06/29/2010 10:12 AM

To "Debby Kriegel" <dkriegel@fs.fed.us>, "Salek Shafiqullah"
<sshafiqullah@fs.fed.us>

cc "Beverley A Everson" <beverson@fs.fed.us>, "Tom Furgason"
<tfurgason@swca.com>, "Melissa Reichard" <mreichard@swca.com>,
"Jonathan Rigg" <jrigg@swca.com>, "Kathy Arnold"
<karnold@rosemontcopper.com>, <fsamorano@rosemontcopper.com>,
"Krizek, David" <David.Krizek@tetrattech.com>, "Marcie Bidwell"
<mbidwell@swca.com>

Subject FW: Barrel-Only Landform

Debby & Salek,

I have not received a response to the recommendations in the email below. Please provide your input regarding the recommendations so that we may reach an expeditious conclusion to the team's efforts and proceed to a potential alternative for Reta's consideration.

Regards,

Dale

Dale Ortman PE PLLC
Consulting Engineer

(520) 896-2404 - Arizona Office
(520) 449-7307 - Mobile
(435) 682-2777 - Utah Office

daleortmanpe@live.com

PO Box 1233
Oracle, AZ 85623

From: Dale Ortman PE [mailto:daleortmanpe@live.com]
Sent: Sunday, June 27, 2010 6:29 PM

To: 'Debby Kriegel'; 'Salek Shafiqullah'; 'mbidwell@swca.com'; 'Kathy Arnold'; 'fsamorano@rosemontcopper.com'; 'Krizek, David'
Cc: 'Beverley A Everson'; 'tfurgason@swca.com'; 'Jonathan Rigg'; 'Melissa Reichard'
Subject: Barrel-Only Landform
Importance: High

All,

Attached is the latest landform topography developed by Rosemont for the Barrel-Only landform alternative. This landform has been developed through the joint efforts of the CNF, SWCA, Rosemont, and TetraTech and incorporates the following elements:

- Extension of the Upper Barrel drainage within the landform
- Multiple ridge landforms with differing elevations
- Potential for variable slopes on eastern flanks of the landform
- Potential for reduction in number of drainage control benches on eastern flank of landform
- Improved stormwater discharge control utilizing the extension of the Upper Barrel drainage
- Maintain overall 3:1 slopes with drainage benches on west side of landform to provide required storage capacity and maintain tailings placement operations
- Maintain waste rock perimeter buttress surrounding tailings
- Maintain encapsulation of the heap leach facility

The team has done an excellent job in the collaborative effort to develop this landform concept. I believe we have reached a point in the process where the landform concept should be turned over to Rosemont for final engineering development as the Barrel-Only Alternative for consideration in the DEIS. I recommend that, in addition to the general design objectives listed above, Rosemont develop the following during the final engineering:

- Confirm constructability of the landform
- Summarize the concurrent & final reclamation plan
- General layout of rock sub-drains & flow-through drains
- General stormwater control plan, including commitment to the design criteria currently in the Site Water Management Plan Update

In addition, I propose that we not meet on June 30th as currently scheduled but the team review the attached landform and provide any additional design objectives for Rosemont to include in the final engineering. Please get back to me ASAP with comments and any design objectives you believe should be included in the final design.

If you have any questions please email me or try the Utah phone listed below.

Regards,

Dale

Dale Ortman PE PLLC
Consulting Engineer

(520) 896-2404 - Arizona Office

(520) 449-7307 - Mobile

(435) 682-2777 - Utah Office

daleortmanpe@live.com

PO Box 1233

Oracle, AZ 85623

[attachment "Prelim Barrel_Proposed Survey Area.pdf" deleted by Beverley A
Everson/R3/USDAFS]

From: [Roger D.Congdon](#)
To: [Beverley A Everson](#)
Cc: [Salek Shafiqullah](#)
Subject: Re: Fw: County's scopes for work for watershed and groundwater impacts
Date: 07/17/2009 01:22 PM

Bev,

As far as I can tell, there is nothing in the county's proposal that isn't what we should be doing for the EIS. I believe most of what they proposed is already covered. Statements such as "Previous aquifer tests and well construction methods should be included with documentation" (page 3) are true, but this kind of information is generally included by reference, and is (or should be) available to the public.

I am not sure the incorporation of HEC-HMS would be highly useful, as this is a lumped parameter model; though it couldn't hurt if it served to mollify the good folks of Pima County. It shouldn't be too hard to set up given all of the great data that is or will be available . . . and HEC-HMS is free, after all. It's up to you guys. HEC-HMS covers surface effects only. Groundwater is not generally involved. This has usually been done with HEC-1, which includes somewhat more detailed location and parameter input for the watershed. HEC-RAS, which is suggested by the county is just a conduit flow model; you put water in at the top and see how far it rises in the channel at the bottom. I don't think it even has an infiltration capability, unless the latest models have been improved. The bottom line here is that the 100 year discharge values should be calculated. Maybe the 200 year values as well. However, the 500 year values are entirely fictional, as there is no way to be certain just what a 500 year event is (let alone a 200 year event). Adding this information, if it isn't already called for, would not be too difficult.

So, just in case we did not already have the watershed discharge worked into the Statement of Work, that analysis should be done. It **will** come up if not included in the EIS.

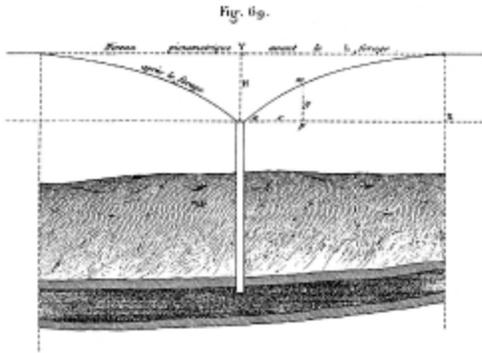
I get the impression that the County doesn't trust the consultants, who are paid by the mine; but this is a very common occurrence. We are there to keep them honest and to remind them constantly of who they are **really** working for. Somehow, we just need to win their trust and to convince them that we are impartial (we **are** impartial, right?).

Salek tells me that SWCA intends to cut the budget and do only what is minimally necessary in order to produce the EIS. I would recommend caution with this approach, especially considering just how many folks there are who are opposed to the project.

How is the East side model coming along? I would hope they would let us see it before it is a completely finished product. I would like to see a detailed conceptual model. I have been looking at the West side model, and will have some comments soon.

Keep up the good work.

Roger



Roger D. Congdon, PhD
Hydrogeologist
USDA Forest Service
333 Broadway Blvd SE
Albuquerque, NM 87102
Phone: (505)842-3835
FAX: (505)842-3142

▼ Beverley A Everson/R3/USDAFS

**Beverley A
Everson/R3/USDAFS**

07/09/2009 04:51 PM

To Salek Shafiqullah/R3/USDAFS@FSNOTES, Roger D
Congdon/R3/USDAFS@FSNOTES

cc

Subject Fw: County's scopes for work for watershed and
groundwater impacts

Sal and Roger,

Could you please look at what the county is requesting for hydrologic
and geohydrologic studies (below), and tell me what you feel
Montgomery has already covered?

I would really appreciate a response by mid to late next week.

Thanks.

Bev

Beverley A. Everson
Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

Voice: 520-388-8428
Fax: 520-388-8305

----- Forwarded by Beverley A Everson/R3/USDAFS on 07/09/2009 03:47 PM -----

**Teresa Ann
Ciapusci/R3/USDAFS**

07/08/2009 01:32 PM

To Beverley A Everson/R3/USDAFS@FSNOTES

cc

Subject Fw: County's scopes for work for watershed and

groundwater impacts

Bev -

Have you had time yet to look into an answer for Julia's inquiry below?

Teresa Ann Ciapusci
Staff Officer
Ecosystem Management and Planning
Coronado National Forest
300 West Congress, FB42
Tucson, Arizona 85701
(520) 388-8350 office
(520) 237-0879 cellular
(520) 388-8305 fax

----- Forwarded by Teresa Ann Ciapusci/R3/USDAFS on 07/08/2009 01:31 PM -----

"Julia Fonseca"

<Julia.Fonseca@rfcd.pima.gov>

To "Teresa Ann Ciapusci"
<tciapusci@fs.fed.us>

06/23/2009 03:52 PM

cc "Nicole Fyffe" <Nicole.Fyffe@pima.gov>

Subject County's scopes for work for watershed and
groundwater impacts

In 2008, as part of the scoping process, Pima County requested the Forest Service to have the company conduct two specific studies, and provided detailed instructions as to the scope of the studies. The study plans are attached. One study is for impacts to watershed functions, and other relates to groundwater impacts near the wellfield.

Could your staff help us ascertain how much of what we requested is actually being investigated?

Julia Fonseca, Environmental Planning Manager
Pima County Office of Conservation Science and Environmental Policy

NEW ADDRESS:
201 N. Stone Ave. 6th floor
Tucson, AZ 85701
(520) 740-6460
FAX (520) 243-1610
Julia.Fonseca@pima.gov

<http://www.pima.gov/cmo/sdcp/>
[attachment "attachment 10 SOWs.pdf" deleted by Roger D Congdon/R3/USDAFS]

From: [Roger D.Congdon](#)
To: [Salek Shafiqullah](#)
Subject: Re: Fw: dry stack tailings presentation, May 12
Date: 05/11/2009 07:58 AM

Thanks Salek.

Roger D. Congdon, PhD
Hydrogeologist
USDA Forest Service
333 Broadway Blvd SE
Albuquerque, NM 87102
(505)842-3835
FAX: (505)842-3152
▼ [Salek Shafiqullah/R3/USDAFS](#)

**Salek
Shafiqullah/R3/USDAFS**

To Roger D Congdon/R3/USDAFS@FSNOTES
cc

05/11/2009 08:48 AM

Subject Fw: dry stack tailings presentation, May 12

Hello Roger,
The meeting agenda is attached and it looks like its at 9:00 at the Supervisors Office conference room 1K (first floor). See you then.
Cheers.

Salek Shafiqullah, Hydrologist
Coronado National Forest
520-388-8377

----- Forwarded by Salek Shafiqullah/R3/USDAFS on 05/11/2009 07:47 AM -----

**Beverley A
Everson/R3/USDAFS**

05/08/2009 01:25 PM

To S@FSNOTES, Arthur S Elek/R3/USDAFS@FSNOTES, ccoble@swca.com, Christopher C LeBlanc/R3/USDAFS@FSNOTES, Debby Kriegel/R3/USDAFS@FSNOTES, Deborah K Sebesta/R3/USDAFS@FSNOTES, Eli Curiel/R3/USDAFS@FSNOTES, George McKay/R3/USDAFS@FSNOTES, Heidi Schewel/R3/USDAFS@FSNOTES, Janet Jones/R3/USDAFS@FSNOTES, John Able/R3/USDAFS@FSNOTES, Keith L Graves/R3/USDAFS@FSNOTES, Kendall Brown/R3/USDAFS@FSNOTES, Kent C Ellett/R3/USDAFS@FSNOTES, Larry Jones/R3/USDAFS@FSNOTES, Mary M Farrell/R3/USDAFS@FSNOTES, mreichard@SWCA.com, Reta Laford/R3/USDAFS@FSNOTES, Robert Lefevre/R3/USDAFS@FSNOTES, Salek Shafiqullah/R3/USDAFS@FSNOTES, Sarah L Davis/R3/USDAFS@FSNOTES, Tami Emmett/R3/USDAFS@FSNOTES, Teresa Ann Ciapusci/R3/USDAFS@FSNOTES, tfurgason@swca.com, Walter Keyes/R3/USDAFS@FSNOTES, William B

Gillespie/R3/USDAFS@FSNOTES, Beverley A
Everson/R3/USDAFS@FSNOTES

cc

Subject dry stack tailings presentation, May 12

Please see the enclosed agenda for the meeting next Tuesday in 1K.

Beverley A. Everson
Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

Voice: 520-388-8428
Fax: 520-388-8305

[Attachment "Forest Service AGENDA 05.12.2009.pdf" deleted by Roger D. Gillespie/R3/USDAFS]

From: [Erica Gaddis](#)
To: [Robert Lefevre](#); [Jonathan Rigg](#)
Cc: [Beverley A Everson](#); [Sue Wilmot](#); [Salek Shafiqullah](#); [Reta Laford](#)
Subject: RE: FW: Rosemont Chapter 3 - Air Quality Section
Date: 07/12/2010 10:09 AM

Bob,

Thank you for your comments. We will get them incorporated into the next draft. On the climate change section, we just need to know if you want to include climate change in the Air Quality section or make it a stand-alone section in the EIS. We have a climate change resource specialist here in the Salt Lake office and we'll get started on that section right away.

Thanks,
Erica

From: Robert Lefevre [mailto:rlfevre@fs.fed.us]
Sent: Friday, July 09, 2010 11:21 AM
To: Jonathan Rigg
Cc: Beverley A Everson; Erica Gaddis; Sue Wilmot; Salek Shafiqullah; Reta Laford
Subject: Re: FW: Rosemont Chapter 3 - Air Quality Section

I have attached a copy of the document with my comments. In general, this new, shorter edition is better. I noticed that the greenhouse gas section (which included climate change) has been deleted and I think we will have to get this information into the DEIS somewhere. Is there a climate change section being developed (not that I'm the expert or even know anything about it!).

I am also going to forward an email that documents, although very briefly, the thought process behind the 300 square mile study area boundary as there appeared to be some question about the origin of the study area.

Robert E. Lefevre
Forestry and Watershed Program Manager
Coronado National Forest
USDA Forest Service
520-388-8373

"Jonathan Rigg" <jrigg@swca.com>

07/08/2010 08:43 AM

To <rlfevre@fs.fed.us>

cc "Sue Wilmot" <swilmot@swca.com>, "Erica Gaddis" <egaddis@swca.com>, "Beverley A Everson" <beverson@fs.fed.us>

Subject FW: Rosemont Chapter 3 - Air Quality Section

Bob,

My apologies, but I accidently misdirected our air quality specialist to send the draft Air Quality Affected Environment section to Salek for review instead of you. Please find the section attached and provide comments to Sue and Erica (cc'ed). If you have any questions, please let me know.

Many thanks,

Jonathan Rigg
Environmental Planner
SWCA Environmental Consultants
343 West Franklin Street
Tucson, Arizona
Phone: (520) 325-9194
Fax: (520) 325-2033
Email: jrigg@swca.com

From: Sue Wilmot

Sent: Tuesday, July 06, 2010 3:58 PM

To: sshafiqullah@fs.fed.us

Cc: mroth@fs.fed.us; beverson@fs.fed.us; Tom Furgason; Jonathan Rigg

Subject: Rosemont Chapter 3 - Air Quality Section

Hi Salek,

I have attached a draft of the Rosemont Copper Project - Chapter 3 Air Quality section for your review. Please do not hesitate to contact me if you have any questions or concerns.

Sincerely,

Sue Wilmot

SWCA Environmental Consultants

55 N Main Ste 209

Logan, UT 84321

(W): 435-750-8789

(Cell): 435-760-4876 [attachment "DEIS Resource Section_Air Quality_Draft Submission.doc" deleted by Robert Lefevre/R3/USDAFS]

From: [Charles Coyle](#)
To: [Salek Shafiqullah](#); [Robert Lefevre](#); [Larry Jones](#); [Beverley A Everson](#); [Dale Ortman PE](#); [Rion Bowers](#); [Tom Furgason](#)
Subject: RE: water bounds of analysis
Date: 07/15/2009 08:36 AM
Attachments: [groundwater.pdf](#)
[surfacewater.pdf](#)
[watersupply.pdf](#)

Folks,

For your reference, attached are copies of all three water-related bounds of analysis maps (in their current drafts).

Charles

From: Rion Bowers
Sent: Thursday, July 09, 2009 7:45 AM
To: Robert Lefevre
Cc: Tom Furgason; Charles Coyle; Larry Jones; Salek Shafiqullah; Beverley A Everson; Dale Ortman PE
Subject: RE: bio.pdf

Bob,

The water resources bounds of analysis map is based on the rational presented in the attached memorandum. This memo covers onsite and offsite surface and ground water resources. You have the surface water map, and I have attached the proposed ground water bounds map as well. I believe this information was previously provided to Salek, so he should also have it for review. I hope you find this information helpful. Looking forward to your comments.

Thanks,

Rion

Rion J. Bowers
Senior Project Manager - Environmental Planner
SWCA Environmental Consultants
343 West Franklin Street
Tucson, Arizona 85701
e-mail: rbowers@swca.com
Phone: (520) 325-9194
Fax: (520) 325-2033

From: Robert Lefevre [<mailto:rlfevre@fs.fed.us>]
Sent: Wednesday, July 08, 2009 4:53 PM
To: Rion Bowers
Cc: Tom Furgason; Charles Coyle; Larry Jones; Salek Shafiqullah; Beverley A Everson
Subject: Re: bio.pdf

Hi, Rion. Thanks for sending me the maps for riparian and water resources bounds of analysis. I am working with Salek and Larry on a response. Before you get too far, I need to tell that the bounds are way too restrictive. I want to propose a larger area that will take into consideration the groundwater changes that will affect springs and consequently surface water and riparian areas after they dig the pit. I'll be sending a shapefile.

Robert E. Lefevre
Forestry and Watershed Program Manager
Coronado National Forest
USDA Forest Service
520-388-8373

"Rion Bowers" <rbowers@swca.com>

To <rlefevre@fs.fed.us>

cc

07/07/2009 11:35 AM

Subject bio.pdf

[attachment "bio.pdf" deleted by Robert Lefevre/R3/USDAFS]

From: [Salek Shafiqullah](#)
To: [Dale Ortman PE](#)
Cc: [Bev Everson - USFS](#); ["Tom Furgason"](#); [Roger D Congdon](#)
Subject: Re: FW: Rosemont Groundwater Meeting
Date: 01/05/2009 03:43 PM

Hello Dale,
Thanks for the followup...and yes I did receive your message. Looks like a great start to the discussion. I was going to be busy the two days before the meeting (Tues and Wed) with other meetings and was wondering if we needed to do anything prior.....ie meeting rules and protocol, technical prework etc.

Salek Shafiqullah, Hydrologist
Coronado National Forest
520-388-8377

▼ ["Dale Ortman PE" <daleortmanpe@live.com>](#)

"Dale Ortman PE"
<daleortmanpe@live.com>

01/05/2009 02:53 PM

To "Bev Everson - USFS " <beverson@fs.fed.us>,
"Salek Shafiqullah - USFS "
<sshafiqullah@fs.fed.us>
cc "'Tom Furgason'" <tfurgason@swca.com>
Subject FW: Rosemont Groundwater Meeting

Salek & Bev,

Did you receive this message I sent last Wednesday? I need to be sure that you are in this loop.

Regards,

Dale

From: Dale Ortman PE [mailto:daleortmanpe@live.com]
Sent: Wednesday, December 31, 2008 9:10 AM
To: Salek Shafiqullah - USFS (sshafiqullah@fs.fed.us); Bev Everson - USFS (beverson@fs.fed.us)
Cc: 'tfurgason@swca.com'
Subject: Rosemont Groundwater Meeting

Salek & Bev,

Jim Davis and I have discussed Montgomery's request to meet to discuss

groundwater issues for Rosemont. It is apparent that the scope of the work cannot be well covered in a single meeting so Jim has proposed that we have meetings on both the 15th and 16 of January, Thursday and Friday, and only focus on one groundwater basin per day. I have agreed and have arranged with SRK and MWH to attend on Thursday and Friday, respectively. On Thursday the 15th we will focus on the east side of the Santa Ritas and the groundwater issues surrounding the pit, mine area, and Davidson and Cienega creeks. On Friday the 16th we will focus on the west side production wells and their impact on groundwater in the Santa Cruz Valley, including the FICO drawdown interaction and the sulfate plume question. SWCA has assigned the SRK responsibility for the groundwater associated with the mine area on the east side and MWH the work for the water supply and the west side groundwater.

Attached are the meeting agendas prepared by Jim Davis.

Both meetings will be held at Montgomery's office located at 1550 East Prince Road in Tucson.

Regards,

Dale

Dale Ortman PE
Consulting Engineer

(520) 896-2404 - Office
(520) 449-7307 - Mobile

daleortmanpe@live.com

PO Box 1233
Oracle, AZ 85623

[attachment "Technical Agenda - USFS - East Side - 15Jan2008.doc" deleted by Salek Shafiqullah/R3/USDAFS] [attachment "Technical Agenda - USFS - West Side - 16Jan2008.doc" deleted by Salek Shafiqullah/R3/USDAFS]

From: [Dale Ortman PE](#)
To: 'Salek Shafiqullah'
Cc: 'Bev Everson - USFS'; 'Tom Furgason'; 'Roger D Congdon'
Subject: RE: FW: Rosemont Groundwater Meeting
Date: 01/07/2009 07:31 AM

Salek,

I don't think there is much we need to do to prepare, but I'm working with Tom to be sure that we meet all requirements. I believe we should have Melissa take minutes for the meeting and maintain a sign-in sheet for the admin record; this is something I'll work out with Tom.

See you next Thursday.....

Dale

Dale Ortman PE
Consulting Engineer

(520) 896-2404 - Office
(520) 449-7307 - Mobile

daleortmanpe@live.com

PO Box 1233
Oracle, AZ 85623

From: Salek Shafiqullah [mailto:sshafiqullah@fs.fed.us]
Sent: Monday, January 05, 2009 3:43 PM
To: Dale Ortman PE
Cc: Bev Everson - USFS ; 'Tom Furgason'; Roger D Congdon
Subject: Re: FW: Rosemont Groundwater Meeting

Hello Dale,
Thanks for the followup...and yes I did receive your message. Looks like a great start to the discussion. I was going to be busy the two days before the meeting (Tues and Wed) with other meetings and was wondering if we needed to do anything prior.....ie meeting rules and protocol, technical prework etc.

Salek Shafiqullah, Hydrologist
Coronado National Forest
520-388-8377

"Dale Ortman PE"

<daleortmanpe@live.com>

01/05/2009 02:53 PM

To "Bev Everson - USFS " <beverson@fs.fed.us>, "Salek Shafiqullah - USFS " <sshafiqullah@fs.fed.us>

cc "Tom Furgason" <tfurgason@swca.com>

Subject FW: Rosemont Groundwater Meeting

Salek & Bev,

Did you receive this message I sent last Wednesday? I need to be sure that you are in this loop.

Regards,

Dale

From: Dale Ortman PE [mailto:daleortmanpe@live.com]

Sent: Wednesday, December 31, 2008 9:10 AM

To: Salek Shafiqullah - USFS (sshafiqullah@fs.fed.us); Bev Everson - USFS (beverson@fs.fed.us)

Cc: 'tfurgason@swca.com'

Subject: Rosemont Groundwater Meeting

Salek & Bev,

Jim Davis and I have discussed Montgomery's request to meet to discuss groundwater issues for Rosemont. It is apparent that the scope of the work cannot be well covered in a single meeting so Jim has proposed that we have meetings on both the 15th and 16 of January, Thursday and Friday, and only focus on one groundwater basin per day. I have agreed and have arranged with SRK and MWH to attend on Thursday and Friday, respectively. On Thursday the 15th we will focus on the east side of the Santa Ritas and the groundwater issues surrounding the pit, mine area, and Davidson and Cienega creeks. On Friday the 16th we will focus on the west side production wells and their impact on groundwater in the Santa Cruz Valley, including the FICO drawdown interaction and the sulfate plume question. SWCA has assigned the SRK responsibility for the groundwater associated with the mine area on the east side and MWH the work for the water supply and the west side groundwater.

Attached are the meeting agendas prepared by Jim Davis.

Both meetings will be held at Montgomery's office located at 1550 East Prince Road in Tucson.

Regards,

Dale

Dale Ortman PE
Consulting Engineer

(520) 896-2404 - Office
(520) 449-7307 - Mobile

daleortmanpe@live.com

PO Box 1233

Oracle, AZ 85623

[attachment "Technical Agenda - USFS - East Side - 15Jan2008.doc" deleted by Salek Shafiqullah/R3/USDAFS] [attachment "Technical Agenda - USFS - West Side - 16Jan2008.doc" deleted by Salek Shafiqullah/R3/USDAFS]

From: [Melinda D Roth](#)
To: [Salek Shafiqullah](#)
Cc: [Walter Keyes](#)
Subject: Re: FW: Rosemont Precipitation Information
Date: 02/05/2010 01:50 PM

Thanks for helping me scratch this off my "to do" list.

Mindee Roth
Coronado National Forest
300 W. Congress, FB42
Tucson, AZ 85701
(520) 388-8319
(520) 396-0715 (cell)
(520) 388-8305 (FAX)

▼ [Salek Shafiqullah/R3/USDAFS](#)

**Salek
Shafiqullah/R3/USDAFS**

02/05/2010 01:36 PM

To "Tom Furgason" <tfurgason@swca.com>
cc "Beverley A Everson" <beverson@fs.fed.us>, "Dale Ortman PE" <daleortmanpe@live.com>, dkriegel@fs.fed.us, "Walter Keyes" <wkeyes@fs.fed.us>, Melinda D Roth/R3/USDAFS@FSNOTES
Subject Re: FW: Rosemont Precipitation Information 

Hello Tom,
Thank you for forwarding the draft powerpoint from Golder regarding the landforming design criteria. Comments regarding the precipitation/design storm.

1. I would like to see the landform design subjected to the design storm after the slope material has been wetted and therefore has antecedent moisture. I could not tell if that was the case.
2. 100 year 1 hour event: A minor modification to the design storm: The mean value of 3.17 inches was used in the analysis. However, in Pima County (Pima County Technical Policy TECH-010 attached), it is customary to use the upper 90% confidence interval which equates to 3.56 inches for the same recurrence interval and duration (page 15 of the Tetra Tech report). Therefore, if 100 year 1 hour event is to be used, then please modify the analysis to include a more conservative value.
3. Larger than 100 year: Engineered designs, for long term stability, is one of the fundamental question to be answered by these studies. The designed landform will very likely last in-place for far longer than 100 years, thus putting the statistical probability of the landform facing an event of larger magnitude in the likely category. Besides, there is less than

200 years of data supporting current event sizing calculations. Additionally, climate change may result in changes in storm probability and we need to ensure that the design resides on the safe-side of reasonable event magnitude expectations. Questions: Is industry standard only using the 100 year event? Was 500 or 1000 year events considered for this work. Would 500 or 1000 year events be considered as engineering safety factor for long term stability?

Thanks for the opportunity to comment.

[attachment "fcd_tech010_upper90_noaa14.pdf" deleted by Melinda D Roth/R3/USDAFS]

Salek Shafiqullah, Hydrologist
Coronado National Forest
520-388-8377

▼ ["Tom Furgason" <tfurgason@swca.com>](mailto:tfurgason@swca.com)

"Tom Furgason"
<tfurgason@swca.com>

02/02/2010 02:40 PM

To "Salek Shafiqullah" <sshafiqullah@fs.fed.us>
cc "Walter Keyes" <wkeyes@fs.fed.us>, "Beverley A Everson" <beverson@fs.fed.us>, "Dale Ortman PE" <daleortmanpe@live.com>

Subject FW: Rosemont Precipitation Information

Salek,

I'm just forwarding this in case you have not seen this document. Mindee informed me that you and Walt have raised concerns about using the 100-year storm event for analysis (again). Responding to this memo may be a good approach from the Coronado, but I'll leave that up to you.

Tom

From: Dale Ortman PE [mailto:daleortmanpe@live.com]
Sent: Thursday, December 03, 2009 11:19 AM
To: 'Annandale, George'
Cc: Tom Furgason; Melissa Reichard
Subject: Rosemont Precipitation Information

From: [Salek Shafiqullah](#)
To: [Tom Furgason](#)
Cc: [Beverley A Everson](#); [Dale Ortman PE](#); dkriegel@fs.fed.us; [Walter Keyes](#); [Melinda D Roth](#)
Subject: Re: FW: Rosemont Precipitation Information
Date: 02/05/2010 01:36 PM
Attachments: [040709_Design Storm and Precipitation.pdf](#)
[fcd_tech010_upper90_noaa14.pdf](#)

Hello Tom,

Thank you for forwarding the draft powerpoint from Golder regarding the landforming design criteria. Comments regarding the precipitation/design storm.

1. I would like to see the landform design subjected to the design storm after the slope material has been wetted and therefore has antecedent moisture. I could not tell if that was the case.
2. 100 year 1 hour event: A minor modification to the design storm: The mean value of 3.17 inches was used in the analysis. However, in Pima County (Pima County Technical Policy TECH-010 attached), it is customary to use the upper 90% confidence interval which equates to 3.56 inches for the same recurrence interval and duration (page 15 of the Tetra Tech report). Therefore, if 100 year 1 hour event is to be used, then please modify the analysis to include a more conservative value.
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Thanks for the opportunity to comment.



[fcd_tech010_upper90_noaa14.pdf](#)

Salek Shafiqullah, Hydrologist
Coronado National Forest
520-388-8377

▼ ["Tom Furgason" <tfurgason@swca.com>](mailto:tfurgason@swca.com)

"Tom Furgason"
<tfurgason@swca.com>

02/02/2010 02:40 PM

To "Salek Shafiqullah" <sshafiqullah@fs.fed.us>
cc "Walter Keyes" <wkeyes@fs.fed.us>,
<dkriegel@fs.fed.us>, "Beverley A Everson"
<beverson@fs.fed.us>, "Dale Ortman PE"
<daleortmanpe@live.com>

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Subject: Rosemont Precipitation Information

George,

Attached is a TetraTech memo summarizing the precipitation data for the project.

Dale

Dale Ortman PE PLLC
Consulting Engineer

(520) 896-2404 - Arizona Office
(520) 449-7307 - Mobile
(435) 682-2777 - Utah Office

daleortmanpe@live.com

PO Box 1233
Oracle, AZ 85623



040709_Design Storm and Precipitation.pdf

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PO Box 1233
Oracle, AZ 85623

[attachment "040709_Design Storm and Precipitation.pdf" deleted by Melinda D
Roth/R3/USDAFS]

From: [Larry Jones](#)
To: [Melinda D Roth](#); [Beverley A Everson](#)
Bcc: [Salek Shafiqullah](#)
Subject: Re: May 19th Rosemont meeting
Date: 05/18/2010 07:43 AM

so what is with all these working lunches? isn't rosemont enough of a drain on people without having to make them work through lunch? i vote for a lunch break in the future. we have to clock out for lunches whether or not we take them, anyway.

Larry Jones
Wildlife, Fish, and Rare Plants
Coronado National Forest
300 W Congress
Tucson, AZ 85701

520-388-8375
ljones02@fs.fed.us
▼ [Melinda D Roth/R3/USDAFS](#)

**Melinda D
Roth/R3/USDAFS**

05/14/2010 03:26 PM

To Larry Jones/R3/USDAFS@FSNOTES, Walter Keyes/R3/USDAFS@FSNOTES, Salek Shafiqullah/R3/USDAFS@FSNOTES, Debby Kriegel/R3/USDAFS@FSNOTES, Beverley A Everson/R3/USDAFS@FSNOTES, Robert Lefevre/R3/USDAFS@FSNOTES, Eli Curiel/R3/USDAFS@FSNOTES, Arthur S Elek/R3/USDAFS@FSNOTES, Sarah L Davis/R3/USDAFS@FSNOTES, jrjigg@swca.com, mreichard@swca.com, karnold@rosemontcopper.com

cc

Subject May 19th Rosemont meeting

Draft Agenda, handout, and map to fire center...

PLEASE NOTE: starting time is 9:00! We are having a working lunch (see agenda for catered lunch option).

Also, you may want to bring the complete "Issues" document. It's attached here.

[attachment "Alternatives Meeting Agenda.docx" deleted by Larry Jones/R3/USDAFS] [attachment "Rosemont Copper DEIS Foundational Pieces.docx" deleted by Larry Jones/R3/USDAFS] [attachment "MAP TO TIFC.docx" deleted by Larry Jones/R3/USDAFS] [attachment "20100409Final Issues_FS-SWCA_040810_CE.docx" deleted by Larry Jones/R3/USDAFS]

Mindee Roth
Coronado National Forest

From: [Melinda D Roth](#)
To: [Salek Shafiqullah](#)
Subject: Re: Myers review of east side groundwater model
Date: 02/18/2010 02:24 PM

FYI... On 2/17, by email, Jeanine received a cc of this report under a cover letter from Chuck Huckleberry. I let Jeanine know that Myers' findings would be reviewed and discussed at the meeting coming together next week to talk about water tech report reviews.

Mindee Roth
Coronado National Forest
300 W. Congress, FB42
Tucson, AZ 85701
(520) 388-8319
(520) 396-0715 (cell)
(520) 388-8305 (FAX)

▼ [Salek Shafiqullah/R3/USDAFS](#)

**Salek
Shafiqullah/R3/USDAFS**

02/10/2010 05:23 PM

To Teresa Ann Ciapusci/R3/USDAFS@FSNOTES, "Kathy Arnold" <karnold@rosemontcopper.com>
cc Beverley A Everson/R3/USDAFS@FSNOTES, Melinda D Roth/R3/USDAFS@FSNOTES, Reta Laford/R3/USDAFS@FSNOTES, Roger D Congdon/WO/USDAFS@FSNOTES, "Tom Furgason" <tfurgason@swca.com>, "Dale Ortman PE" <daleortmanpe@live.com>, "Melissa Reichard" <mreichard@swca.com>
Subject Myers review of east side groundwater model

Hello Teresa Ann and Kathy,
Please find attached a review document for the Rosemont 'project record' forwarded by a cooperating agency Pima County. I called Julia and she said that this email is the official transmittal. Lets discuss at your leisure. Thanks.

Background: Rosemont hired Montgomery and Associates to complete a ground water model for the proposed open pit and surrounding area. This was competed in 2009. Pima County hired Tom Myers to review the Montgomery report text and review the model input/output files.

Salek Shafiqullah, Hydrologist
Coronado National Forest
520-388-8377

----- Forwarded by Salek Shafiqullah/R3/USDAFS on 02/10/2010 04:48 PM -----

"Julia Fonseca"
<Julia.Fonseca@rfcd.pima.gov>

To "Sal Shafiqullah" <sshafiqullah@fs.fed.us>

cc

02/08/2010 10:59 AM

Subject

Hi, Salek,

Here is our consultant's comments on the Montgomery and Associates groundwater model for the Cienega basin. I hope you and your colleagues at the Forest Service will find this helpful. Would you give me a call when you receive this?

Julia Fonseca, Environmental Planning Manager
Pima County Office of Conservation Science and Environmental Policy

NEW ADDRESS:
201 N. Stone Ave. 6th floor
Tucson, AZ 85701
(520) 740-6460
FAX (520) 243-1610
Julia.Fonseca@pima.gov

<http://www.pima.gov/cmo/sdcp/>
[attachment "myers final review phase 1 020210.pdf" deleted by Melinda D Roth/R3/USDAFS]

From: [Terry](#)
To: [Salek Shafiqullah](#)
Subject: Re: Notes from our meeting this morning
Date: 08/20/2010 06:11 AM

Thanks for taking time to look this over Salek. Have a great time in NYC. See you when you get back.

Salek Shafiqullah <sshafiqullah@fs.fed.us> wrote:

```
>Hello Terry,  
>I did a quick once over and good job. I added a few notes. They are in  
>red. Sorry about not being able to put in quality time, but hey, I did  
>check it out prior to the meeting. I will be very curious to what you all  
>decide. Cheers.  
>  
>  
>Salek Shafiqullah, Hydrologist  
>Coronado National Forest  
>520-388-8377  
>  
>  
>  
>"Terry Chute" <tjchute@msn.com>  
>08/18/2010 03:44 PM  
>  
>To  
>"Salek Shafiqullah" <sshafiqullah@fs.fed.us>  
>cc  
>  
>Subject  
>Notes from our meeting this morning  
>  
>  
>  
>  
>  
>Salek - please look these over for accuracy and portraying your thoughts,  
>edit as needed and get back to me. Thanks for the discussion this morning  
>- it was helpful...Terry[attachment "DRAFT Issues to Address Regarding  
>Rosemont Copper Project Water Resource Analysis.docx" deleted by Salek  
>Shafiqullah/R3/USDAFS]
```

From: [Salek Shafiqullah](#)
To: [Dale Ortman PE](#)
Cc: ['Beverley A Everson'](#); ['Jonathan Rigg'](#); ['Melissa Reichard'](#); ['Roger D Congdon'](#); ['Tom Furgason'](#)
Subject: Re: Rosemont - Golder Review of Site Water Management Plan
Date: 07/28/2010 03:27 PM

Hello Dale,
I have reviewed the draft technical memorandum and find it acceptable pending discussion of the following comments. Lets discuss.
Comments:

Section 2.0: Figure 1 should be revised to show an accurate representation of the text referencing figure 1. Figure 1 data represents winter storms while it is supposed to show an example of monsoon precipitation which is a summer phenomena. Note that maximum saturation events in the southwest deserts happen in both the summer and winter. Jan 1993, Jan 2010 (Carlotta near Superior), etc.
Section 3.0: If this SOW allows, I would like to see an additional column or two added to Table 2 which shows Golder's opinion regarding the adequacy of each design criteria (do they agree) and if they don't, what design criteria they would recommend (maximum saturation event=72 hour or longer event, etc).

Salek Shafiqullah, Hydrologist
Coronado National Forest
520-388-8377
▼ ["Dale Ortman PE" <daleortmanpe@live.com>](mailto:daleortmanpe@live.com)

"Dale Ortman PE"
<daleortmanpe@live.com>

07/28/2010 11:05 AM

To: "'Salek Shafiqullah'" <sshafiqullah@fs.fed.us>, "'Roger D Congdon'" <rcongdon@fs.fed.us>

cc: "'Beverley A Everson'" <beverson@fs.fed.us>, "'Tom Furgason'" <tfurgason@swca.com>, "'Jonathan Rigg'" <jrigg@swca.com>, "'Melissa Reichard'" <mreichard@swca.com>

Subject: Rosemont - Golder Review of Site Water Management Plan

All,

Attached is the draft technical review memorandum prepared by Golder for the Site Water Management Plan. The SOW includes the CNF to review the draft memo and provide comment to Golder for preparation of a final document. Given the project schedule please review the memo as soon as possible and provide comment for revision or determine that the document is acceptable as is so we can forward it along to Rosemont.

Regards,

Dale

Dale Ortman PE PLLC
Consulting Engineer

(520) 896-2404 - Arizona Office
(520) 449-7307 - Mobile
(435) 682-2777 - Utah Office

daleortmanpe@live.com

PO Box 1233

Oracle, AZ 85623

[attachment "09381962 TM Rosemont_23JUL10.pdf" deleted by Salek
Shafiqullah/R3/USDAFS]

From: [Reta Laford](#)
To: [Salek Shafiqullah](#)
Cc: [abelauskas@fs.fed.us](#); [aelek@fs.fed.us](#); [Beverley A Everson](#); [cablair@fs.fed.us](#); [ccleblanc@fs.fed.us](#); [dkriegel@fs.fed.us](#); [dsebesta@fs.fed.us](#); [ecuriel@fs.fed.us](#); [gmckay@fs.fed.us](#); [hschewel@fs.fed.us](#); [Kendall Brown](#); [ljones02@fs.fed.us](#); [Melinda D Roth](#); [mfarrell@fs.fed.us](#); [mreichard@swca.com](#); [rlefevre@fs.fed.us](#); [seanlockwood@fs.fed.us](#); [sldavis@fs.fed.us](#); [temmett@fs.fed.us](#); [tfurgason@swca.com](#); [Walter Keyes](#); [wgillespie@fs.fed.us](#)
Subject: Thx to Salek for leading. I look forward to meeting results. -Re: Rosemont Copper Project IDT meeting on May 26 (Core)
Date: 05/25/2010 04:19 PM

Salek - Thank you for your willingness to lead the Team for this upcoming meeting. I know you will lead it well. I am very interested in the discussion about things would stop or postpone the DEIS Timeline.

Reta Laford
Deputy Forest Supervisor
Coronado National Forest
Phone: 520-388-8307

▼ [Salek Shafiqullah/R3/USDAFS](#)

**Salek
Shafiqullah/R3/USDAFS**

05/25/2010 03:20 PM

To: Beverley A Everson/R3/USDAFS@FSNOTES
cc: [abelauskas@fs.fed.us](#), [aelek@fs.fed.us](#), [Beverley A Everson/R3/USDAFS@FSNOTES](#), [cablair@fs.fed.us](#), [ccleblanc@fs.fed.us](#), [dkriegel@fs.fed.us](#), [dsebesta@fs.fed.us](#), [ecuriel@fs.fed.us](#), [gmckay@fs.fed.us](#), [hschewel@fs.fed.us](#), [Kendall Brown/R3/USDAFS@FSNOTES](#), [ljones02@fs.fed.us](#), [Melinda D Roth/R3/USDAFS@FSNOTES](#), [mfarrell@fs.fed.us](#), [mreichard@swca.com](#), [rlaford@fs.fed.us](#), [rlefevre@fs.fed.us](#), [seanlockwood@fs.fed.us](#), [sldavis@fs.fed.us](#), [temmett@fs.fed.us](#), [tfurgason@swca.com](#), [Walter Keyes/R3/USDAFS@FSNOTES](#), [wgillespie@fs.fed.us](#)
Subject: Re: Rosemont Copper Project IDT meeting on May 26 (Core) 

Hi Everyone,

The next IDT meeting will be at the SO, and will be a half day meeting. This is a core team meeting, but extended team members are encouraged to come if you can. Agenda is attached. Mindee and Bev are unavailable for this meeting and therefore, I have been asked to facilitate. See you soon.

Salek Shafiqullah, Hydrologist
Coronado National Forest
520-388-8377

[attachment "Agenda template may 26 2010.docx" deleted by Reta

Laford/R3/USDAFS]

From: [Annandale, George](#)
To: [Dale Ortman PE](#); [Patterson, Jennifer](#)
Cc: [Beverley A Everson](#); [Jonathan Rigg](#); [Melissa Reichard](#); [Roger D Congdon](#); [Tom Furgason](#); [Salek Shafiqullah](#)
Subject: RE: Rosemont - Golder Review of Site Water Management Plan
Date: 08/05/2010 03:53 PM
Attachments: [09381962_TM Rosemont 05AUG10.pdf](#)

Dale,

Please find attached the revised memorandum. You may want to read through it again.

Sincerely,

[Dr. George W. Annandale, P.E., F.ASCE.](#) | Principal | [Golder Associates Inc.](#)
44 Union Blvd, Suite 300, Lakewood, Colorado, USA 80228
T: +1 (303) 980-0540 | D: +1-720-920-4612 | F: +1 (303) 985-2080 | C: +1 (720) 244-3865 | E:
george_annandale@golder.com | www.golder.com

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Please consider the environment before printing this email.

From: Dale Ortman PE [<mailto:daleortmanpe@live.com>]
Sent: Monday, August 02, 2010 9:53 AM
To: Patterson, Jennifer; Annandale, George
Cc: 'Beverley A Everson'; 'Jonathan Rigg'; 'Melissa Reichard'; 'Roger D Congdon'; 'Tom Furgason'; 'Salek Shafiqullah'
Subject: RE: Rosemont - Golder Review of Site Water Management Plan

Jennifer & George,

The email below provides the CNF comment on the draft technical memorandum for the site water management plan. Please review the comments and prepare a final revision of the technical memorandum. If you have any questions regarding completion of the memo or the provided comments please contact me.

Regards,

Dale

From: Salek Shafiqullah [<mailto:sshafiqullah@fs.fed.us>]
Sent: Wednesday, July 28, 2010 3:28 PM
To: Dale Ortman PE
Cc: 'Beverley A Everson'; 'Jonathan Rigg'; 'Melissa Reichard'; 'Roger D Congdon'; 'Tom Furgason'
Subject: Re: Rosemont - Golder Review of Site Water Management Plan

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Comments:

Section 2.0: Figure 1 should be revised to show an accurate representation of the text referencing figure 1. Figure 1 data represents winter storms while it is supposed to show an example of monsoon precipitation which is a summer phenomena. Note that maximum saturation events in the southwest deserts happen in both the summer and winter. Jan 1993, Jan 2010 (Carlotta near Superior), etc.
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Salek Shafiqullah, Hydrologist
Coronado National Forest
520-388-8377

"Dale Ortman PE"
<daleortmanpe@live.com>

07/28/2010 11:05 AM

To "Salek Shafiqullah" <sshafiqullah@fs.fed.us>, "Roger D Congdon"
<rcongdon@fs.fed.us>

cc "Beverley A Everson" <beverson@fs.fed.us>, "Tom Furgason"
<tfurgason@swca.com>, "Jonathan Rigg" <jrigg@swca.com>,
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Subject Rosemont - Golder Review of Site Water Management Plan

All,

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Regards,

Dale

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Consulting Engineer

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daleortmanpe@live.com

PO Box 1233
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[attachment "09381962 TM Rosemont_23JUL10.pdf" deleted by Salek Shafiqullah/R3/USDAFS]

From: [Salek Shafiqullah](#)
To: [Reta Laford](#); [Terry Chute](#)
Cc: [Beverley A Everson](#)
Subject: RE: Rosemont - Golder Review of Site Water Management Plan
Date: 08/05/2010 04:42 PM
Attachments: [09381962_TM_Rosemont_05AUG10.pdf](#)

The attachment at the bottom is a third party consultant review of the water drainage controls proposed by Rosemont for the phased tailings alternative. It arrived today and it appears to have some significant issues. We can discuss at your leisure. Thanks.

Salek Shafiqullah, Hydrologist
Coronado National Forest
520-388-8377

----- Forwarded by Salek Shafiqullah/R3/USDAFS on 08/05/2010 04:30 PM -----

Salek Shafiqullah/R3/USDAFS
08/05/2010 04:30 PM

To "Annandale, George" <George_Annandale@golder.com>, Dale Ortman PE <daleortmanpe@live.com>
cc 'Beverley A Everson' <beverson@fs.fed.us>, "Patterson, Jennifer" <Jennifer_Patterson@golder.com>, 'Jonathan Rigg' <jrigg@swca.com>, 'Melissa Reichard' <mreichard@swca.com>, 'Roger D Congdon' <rcongdon@fs.fed.us>, 'Tom Furgason' <tfurgason@swca.com>
Subject RE: Rosemont - Golder Review of Site Water Management Plan 

George,
Thanks for the review. Looks good.

Dale,
Please forward to Rosemont at your convenience. Thanks.

Salek Shafiqullah, Hydrologist
Coronado National Forest
520-388-8377

▼ ["Annandale, George" <George_Annandale@golder.com>](mailto:George_Annandale@golder.com)

"Annandale, George" <George_Annandale@golder.com>
08/05/2010 03:53 PM

To Dale Ortman PE <daleortmanpe@live.com>, "Patterson, Jennifer" <Jennifer_Patterson@golder.com>
cc 'Beverley A Everson' <beverson@fs.fed.us>, 'Jonathan Rigg' <jrigg@swca.com>, 'Melissa Reichard' <mreichard@swca.com>, 'Roger D Congdon' <rcongdon@fs.fed.us>, 'Tom Furgason' <tfurgason@swca.com> ,

'Salek Shafiqullah'
<sshafiqullah@fs.fed.us>

Subject RE: Rosemont - Golder Review of Site
Water Management Plan

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Sincerely,

Dr. George W. Annandale, P.E., F.ASCE. | Principal | Golder Associates
Inc.

44 Union Blvd, Suite 300, Lakewood, Colorado, USA 80228

T: +1 (303) 980-0540 | D: +1-720-920-4612 | F: +1 (303) 985-2080 | C: +1 (720)
244-3865 | E: george_annandale@golder.com | www.golder.com

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'Tom Furgason'; 'Salek Shafiqullah'

Subject: RE: Rosemont - Golder Review of Site Water Management Plan

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To: Dale Ortman PE
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Salek Shafiqullah, Hydrologist
Coronado National Forest
520-388-8377

"Dale Ortman PE"
<daleortmanpe@live.com>

07/28/2010 11:05 AM

To "Salek Shafiqullah" <sshafiqullah@fs.fed.us>, "Roger D Congdon"
<rcongdon@fs.fed.us>

cc "Beverley A Everson" <beverson@fs.fed.us>, "Tom Furgason"
<tfurgason@swca.com>, "Jonathan Rigg" <jrigg@swca.com>, "Melissa
Reichard" <mreichard@swca.com>

Subject Rosemont - Golder Review of Site Water Management Plan

All,

Attached is the draft technical review memorandum prepared by Golder for the Site Water Management Plan. The SOW includes the CNF to review the draft memo and provide comment to Golder for preparation of a final document. Given the project schedule please review the memo as soon as possible and provide comment for revision or determine that the document is acceptable as is so we can forward it along to Rosemont.

Regards,

Dale

Dale Ortman PE PLLC
Consulting Engineer

(520) 896-2404 - Arizona Office
(520) 449-7307 - Mobile
(435) 682-2777 - Utah Office

daleortmanpe@live.com

PO Box 1233
Oracle, AZ 85623

[attachment "09381962 TM Rosemont_23JUL10.pdf" deleted by Salek



Shafiqullah/R3/USDAFS] 09381962 TM Rosemont 05AUG10.pdf

From: [Dale Ortman PE](#)
To: ['Patterson, Jennifer'](#); ['Annandale, George'](#)
Cc: ['Beverley A Everson'](#); ['Jonathan Rigg'](#); ['Melissa Reichard'](#); ['Roger D Congdon'](#); ['Tom Furgason'](#); ['Salek Shafiqullah'](#)
Subject: RE: Rosemont - Golder Review of Site Water Management Plan
Date: 08/02/2010 08:53 AM

Jennifer & George,

The email below provides the CNF comment on the draft technical memorandum for the site water management plan. Please review the comments and prepare a final revision of the technical memorandum. If you have any questions regarding completion of the memo or the provided comments please contact me.

Regards,

Dale

From: Salek Shafiqullah [mailto:sshafiqullah@fs.fed.us]
Sent: Wednesday, July 28, 2010 3:28 PM
To: Dale Ortman PE
Cc: 'Beverley A Everson'; 'Jonathan Rigg'; 'Melissa Reichard'; 'Roger D Congdon'; 'Tom Furgason'
Subject: Re: Rosemont - Golder Review of Site Water Management Plan

Hello Dale,

I have reviewed the draft technical memorandum and find it acceptable pending discussion of the following comments. Lets discuss.

Comments:

Section 2.0: Figure 1 should be revised to show an accurate representation of the text referencing figure 1. Figure 1 data represents winter storms while it is supposed to show an example of monsoon precipitation which is a summer phenomena. Note that maximum saturation events in the southwest deserts happen in both the summer and winter. Jan 1993, Jan 2010 (Carlotta near Superior), etc.
Section 3.0: If this SOW allows, I would like to see an additional column or two added to Table 2 which shows Golder's opinion regarding the adequacy of each design criteria (do they agree) and if they don't, what design criteria they would recommend (maximum saturation event=72 hour or longer event, etc).

Salek Shafiqullah, Hydrologist
Coronado National Forest
520-388-8377

"Dale Ortman PE"
<daleortmanpe@live.com>

07/28/2010 11:05 AM

To "Salek Shafiqullah" <sshafiqullah@fs.fed.us>, "Roger D Congdon" <rcongdon@fs.fed.us>

cc "Beverley A Everson" <beverson@fs.fed.us>, "Tom Furgason" <tfurgason@swca.com>, "Jonathan Rigg" <jrigg@swca.com>, "Melissa Reichard" <mreichard@swca.com>

Subject: Rosemont - Golder Review of Site Water Management Plan

All,

Attached is the draft technical review memorandum prepared by Golder for the Site Water Management Plan. The SOW includes the CNF to review the draft memo and provide comment to Golder for preparation of a final document. Given the project schedule please review the memo as soon as possible and provide comment for revision or determine that the document is acceptable as is so we can forward it along to Rosemont.

Regards,

Dale

Dale Ortman PE PLLC
Consulting Engineer

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daleortmanpe@live.com

PO Box 1233

Oracle, AZ 85623

[attachment "09381962 TM Rosemont_23JUL10.pdf" deleted by Salek Shafiqullah/R3/USDAFS]

From: [Salek Shafiqullah](#)
To: [Rion Bowers](#)
Cc: [Beverley A Everson](#); [Charles Coyle](#); [Dale Ortman PE](#); [Larry Jones](#); [Robert Lefevre](#); [Tom Furgason](#)
Subject: Water BOA
Date: 07/10/2009 07:39 AM
Attachments: [groundwater.pdf](#)
[Water Resources Bounds.pdf](#)

Hello Rion,
Thanks for sending the map of BOA for groundwater....I've never seen it before. Also, I've never seen the surface water BOA map either until you sent it to Bob earlier this week and he shared it with me. Thanks for sending it to him.
Cheers.

Salek Shafiqullah, Hydrologist
Coronado National Forest
520-388-8377
▼ ["Rion Bowers" <rbowers@swca.com>](mailto:rbowers@swca.com)

"Rion Bowers"
<rbowers@swca.com> To "Robert Lefevre" <rlefevre@fs.fed.us>
cc "Tom Furgason" <tfurgason@swca.com>, "Charles Coyle" <ccoyle@swca.com>, "Larry Jones" <ljones02@fs.fed.us>, "Salek Shafiqullah" <sshafiqullah@fs.fed.us>, "Beverley A Everson" <beverson@fs.fed.us>, "Dale Ortman PE" <daleortmanpe@live.com>
07/09/2009 07:46 AM
Subject RE: bio.pdf

Bob,

The water resources bounds of analysis map is based on the rational presented in the attached memorandum. This memo covers onsite and offsite surface and ground water resources. You have the surface water map, and I have attached the proposed ground water bounds map as well. I believe this information was previously provided to Salek, so he should also have it for review. I hope you find this information helpful. Looking forward to your comments.

Thanks,

Rion

Rion J. Bowers
Senior Project Manager - Environmental Planner
SWCA Environmental Consultants
343 West Franklin Street
Tucson, Arizona 85701
e-mail: rbowers@swca.com
Phone: (520) 325-9194
Fax: (520) 325-2033

From: Robert Lefevre [<mailto:rlfevre@fs.fed.us>]
Sent: Wednesday, July 08, 2009 4:53 PM
To: Rion Bowers
Cc: Tom Furgason; Charles Coyle; Larry Jones; Salek Shafiqullah;
Beverley A Everson
Subject: Re: bio.pdf

Hi, Rion. Thanks for sending me the maps for riparian and water resources bounds of analysis. I am working with Salek and Larry on a response. Before you get too far, I need to tell that the bounds are way too restrictive. I want to propose a larger area that will take into consideration the groundwater changes that will affect springs and consequently surface water and riparian areas after they dig the pit. I'll be sending a shapefile.

Robert E. Lefevre
Forestry and Watershed Program Manager
Coronado National Forest
USDA Forest Service
520-388-8373

"Rion Bowers" <rbowers@swca.com>

07/07/2009 11:35 AM

To <rlfevre@fs.fed.us>
cc
Subject bio.pdf


groundwater.pdf

[attachment "bio.pdf" deleted by Robert Lefevre/R3/USDAFS]



Water_Resources_Bounds.pdf

From: [Roger D.Congdon](#)
To: [Beverley A Everson](#)
Cc: [Salek Shafiqullah](#)
Subject: Re: Fw: November 12th meeting
Date: 11/03/2008 12:57 PM

Bev,

The difficulty for me is that, if I am to be there for the geology and groundwater session, I will have to leave the evening of Veterans' Day. If you could somehow reverse the schedule so that the morning events are moved to the afternoon and vice versa, I have no problem (since I don't need to be there for the biology session. The Southwest flight doesn't leave here till about 10:00 AM, so 11:15 is the earliest I can arrive at the airport, unless I take the 6:00 flight to Phoenix, rent a car, and get there about an hour earlier. Not only is it a drag leaving my family on a holiday, but it is not cost effective in a time of tight travel budgets, either. So, If you can at all change the schedule as I suggested above, I would greatly appreciate it.

Thanks,

Roger

Roger D. Congdon, PhD
Hydrogeologist
USDA Forest Service
333 Broadway Blvd SE
Albuquerque, NM 87102
(505)842-3835
FAX: (505)842-3152
▼ [Beverley A Everson/R3/USDAFS](#)

**Beverley A
Everson/R3/USDAFS**

11/03/2008 11:59 AM

To Roger D Congdon/R3/USDAFS@FSNOTES, Michael A
Linden/R3/USDAFS@FSNOTES, Maria A
McGaha/R3/USDAFS@FSNOTES, Salek
Shafiqullah/R3/USDAFS@FSNOTES, Mark E
Schwab/R3/USDAFS@FSNOTES

cc

Subject Fw: November 12th meeting

Mike, Mark, Roger, and Maria,

I would like to invite you all to a presentation by Rosemont Copper Company consultants on the analyses they are doing relative to the Rosemont Copper Project, on Nov. 12, 8:00 to 5:00 at NAFRI here in Tucson. The tentative schedule for the meeting is attached to Kathy Arnold's email, below. The major difference in the schedule at this time is that the Forest Service and SWCA (Tom Furgason) will not need the hour from 8:15 to 9:15. Most likely this hour will be used to expand the time needed for some of the technical talks. There should

be an updated schedule within the next couple of days that I can send to you, along with meeting location information for those of you that need it.

I hope some of you will be able to attend the meeting.

Bev

Beverley A. Everson
Forest Geologist
Coronado National Forest
300 W. Congress Street, 6th Floor
Tucson, AZ. 85701

Voice: 520-388-8428
Fax: 520-388-8305

----- Forwarded by Beverley A Everson/R3/USDAFS on 11/03/2008 11:53 AM -----

Kathy Arnold
<karnold@rosemontcopper.com>

10/26/2008 10:26 PM

To Jim Davis <jdavis@elmontgomery.com>, "Joggerst, Jamie" <Jamie.Joggerst@tetrattech.com>, Brian Lindenlaub <blindenlaub@westlandresources.com>, David Moll <dmoll@m3eng.com>, "Lupo, John F" <John.Lupo@amec.com>, Kristie Kilgore <kkilgore@eectuc.com>, Lauren Weinstein <Lweinst@epgaz.com>, Jaime Wood <jwood@epgaz.com>, "Jeffrey S. Fehmi" <jfehmi@email.arizona.edu>, "David Logue (david.logue@stantec.com)" <david.logue@stantec.com>, Louis Thanukos <lcthanukos@aecinc.org>, Mike Clarke <mclarke@augustaresource.com>

cc "jsturgess@augustaresource.com" <jsturgess@augustaresource.com>, Lance Newman <lnewman@augustaresource.com>, Rod Pace <rpace@rosemontcopper.com>, Fermin Samorano <fsamorano@rosemontcopper.com>, Dennis Fischer <dfischer@rosemontcopper.com>, Beverley A Everson <beverson@fs.fed.us>, Reta Laford <rlaford@fs.fed.us>, Scott Walston <swalston@rosemontcopper.com>, "Tom Furgason (tfurgason@swca.com)" <tfurgason@swca.com>, Michael Pearce <mpearce@mpwaterlaw.com>, "MICHAEL PHALEN (MPHALEN@FCLAW.com)" <MPHALEN@FCLAW.com>, "HANCOCK, KATHY" <khancock@FCLAW.com>, "BLACK, PATRICK" <PBLACK@FCLAW.com>, "SBreslin@tep.com" <SBreslin@tep.com>

Subject November 12th meeting

All –

I have made a few changes to the schedule and have added and subtracted talks – if I have still forgotten something you are working on, please be sure to let me know and I will squeeze it in. Please review the time scheduled for your talk and plan to include Q&A in your section. Please confirm who will be presenting for your company. I am also assuming that everyone will use PowerPoint presentation format so you can bring your talk on a thumb drive that can be pre-loaded onto a computer. I will provide the computer and am going to schedule a walkthrough of the Forest Service facilities with Bev before our meeting – as I understand it, the facility will have screens and projectors available along with an AV staff to ensure we are all set up. If you need something else, please let me know ASAP.

On the 12th, lunch for all consultants will be provided by Rosemont at the Hilton Garden Inn which is within walking distance of the Forest Service Facility, please do not make other plans. We will have salads and sandwiches or something similar but if you have specific dietary considerations please let me know. This is the same location we are planning to use for the meetings on the 11th – please contact Scott Walston for lodging information if you have staff flying in – I believe he has arranged for a block of rooms. We will provide breakfast, lunch and food for all breaks on the 11th.

Bev –

I would love to meet you this week if you have time – I think I am available Wednesday through Friday. I would also like to bring someone from Strongpoint with me so we can be sure what we need to have available in order to videotape the meeting. Please call me at your convenience to schedule a walkthrough.

Cheers!
Kathy

Katherine Arnold, PE | Director of Environmental and Regulatory Affairs
Cell: 520.784.1972 | Main: 520.297.7723 | Fax 520.297.7724
karnold@rosemontcopper.com



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[attachment "November 12th meeting schedule.pdf" deleted by Roger D Congdon/R3/USDAFS]