

Stora, Christine@Energy

From: Crisp, Ann@Energy
Sent: Wednesday, May 08, 2013 8:28 AM
To: Stora, Christine@Energy
Subject: FW: Information about jurisdictional delineation of State Water(RE: waters guidance)

California Energy Commission

DOCKETED
09-AFC-7C

TN # 70816

MAY 13 2013

Hi Christine,

Please docket the following email.

Thanks!

Ann

From: Shankar Sharma [<mailto:Shankar.Sharma@wildlife.ca.gov>]
Sent: Wednesday, April 24, 2013 12:56 PM
To: Crisp, Ann@Energy
Cc: 'Chris Huntley'; Ali, Anwar@Energy; Watson, Carol@Energy; Stora, Christine@Energy; Magdalena Rodriguez; Shankar Sharma
Subject: Information about jurisdictional delineation of State Water (RE: waters guidance)

Good Afternoon All.

Here are some points to consider in regard to jurisdictional delineation of State Water.

- 1) Please provide detailed methodology including:
 - (i) pedestrian survey design,
 - (ii) number of data points recorded during pedestrian survey, and their coordinates (show the points in a map)
 - (iii) acreage covered by pedestrian survey,
 - (iv) acreage estimated using desktop analysis;
- 2) Measure both active and inactive channels, and tabulate the respective acreage;
- 3) In a table, please summarize the jurisdictional acreage by vegetation type or other land covers. In an Excel table show detailed computation of the acreage by vegetation type.
- 4) Please provide representative photographs of different channeltypes and geomorphic features, as applicable.
- 5) An amended lake and streambed alteration notification, state water delineation, impacts, proposed mitigation, any supporting documents, and \$560.25 amendment fee are to be submitted to the DFW Los Alamitos Office in attention of Ms. Phyllis Taylor.

Thank you.

Sincerely,
SS

Dr. Shankar Sharma
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State of California Natural Resources Agency
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>>> Alice Karl <heliophile@mindspring.com> 4/24/2013 10:22 AM >>>
Hi Ann,

Attached is the WUS determination.

I didn't mean to be so brief in my explanation for what I am currently doing at the site. For waters, I am using the wash designations from the original State Waters Delineation report for PSPP, as well as the methods, with updated information from Vyverberg (2010). The methods are fully repeatable and detailed. For percent cover of wash vegetation, rather than re-do that, I am conservatively using the percent cover of vegetation in the much higher quality DDWW that goes through the southwestern portion of the solar site. Because I am not using a GPS with sub-meter accuracy, I am adding the outside accuracy estimate of my GPS (generally 3 meters) to all acreage. Of course, maps will be at the appropriate scale and identify all washes by category, accompanied by acreage tables.

Thanks.. All questions welcome!

Alice

From: Crisp, Ann@Energy [<mailto:Ann.Crisp@energy.ca.gov>]
Sent: Tuesday, April 23, 2013 8:10 AM
To: Alice Karl
Cc: 'Shankar Sharma'; 'Magdalena Rodriguez'; 'Kim Marsden'; 'Scott Galati'; 'Scott Galati'; Watson, Carol@Energy; Stora, Christine@Energy; Chris Huntley; Ali, Anwar@Energy
Subject: RE: waters guidance

Hi Alice,

Thanks that will be very helpful, I will keep an eye out for the WUS documentation. Could you please clarify what GPS'ing the edges would entail and also please provide a more detailed explanation of how you are going to delineate the new washes that will be impacted by the project? Staff expects that the methodology will be clear and repeatable and the delineation will be consistent with the guidance provided. Maps should depict the entire delineation and not just points.

Thanks!

Ann

From: Alice Karl [<mailto:heliophile@mindspring.com>]
Sent: Monday, April 22, 2013 11:22 AM
To: Crisp, Ann@Energy
Cc: 'Shankar Sharma'; 'Magdalena Rodriguez'; 'Kim Marsden'; 'Scott Galati'; 'Scott Galati'; Watson, Carol@Energy
Subject: RE: waters guidance

Thanks, Ann, for these.

The original project determined that there were no WUS. That discussion is in the SA, but I will send you that documentation. The modified project will actually decrease impacts to all waters by eliminating the diffusers and maintaining site hydrology because there is no need to plane (i.e., flatten) the site in order to erect heliostats. (By contrast, solar trough requires a planed surface, thereby re-routing drainages.) In addition, the site is 572 acres smaller, thereby affecting fewer ephemeral drainages.

In our workshop, I mentioned that I will be GPSing in the wash edges, with detailed descriptions of each (using the guidance provided) and will provide those data in the report for plants, wildlife, vegetation (including washes) in May.

We will be sure to include maps at the requested scale. I also proposed in the workshop that this level of detail could suffice as the formal delineation for these approximately 25 acres (<1%) of modified project, so I hope that is still acceptable.

See you on May 1.

Best, Alice

From: Crisp, Ann@Energy [<mailto:Ann.Crisp@energy.ca.gov>]
Sent: Thursday, April 18, 2013 2:14 PM
To: Alice Karl
Cc: Shankar Sharma; Magdalena Rodriguez; Kim Marsden
Subject: FW: waters guidance

Hi Alice,

As we discussed at the workshop yesterday Energy Commission staff and the CDFW recommend the attached guidance be used to delineate state waters along the new linear features of the project, including the natural gas line and revised gen-tie line. We request that all the information that would be included in a 1602 Amendment Application (attached) also be provided with the results of the delineation. Please provide maps and the electronic files (GIS shapefiles and metadata) for the results of the jurisdictional state waters delineation. Maps should be at a scale that staff is able to determine the extent of state waters such as 1:400. The maps submitted as part of DR-5 were at a 1:40,000 scale. The earlier maps don't depict the extent of state waters within the new linear features so it is unclear how you came up with the acreages. Staff would also like to know the extent of potential jurisdictional waters of the U.S. This includes waters (and/or wetlands) regulated under the federal Clean Water Act. Staff would like a copy of the jurisdictional determination (JD) of isolated waters issued by Army Corps of Engineers. This item was not discussed during the workshop but is related to the other requests.

Thanks!

Ann

Ann Crisp
Staff Biologist

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From: Alice Karl [<mailto:heliophile@mindspring.com>]
Sent: Thursday, April 18, 2013 11:11 AM
To: Crisp, Ann@Energy; Magdalena.Rodriguez@wildlife.ca.gov
Subject: waters guidance

Hi Anne,

To ensure that I follow the guidance you requested be used for waters, don't forget to send that guidance. I have several guidance and delineation documents and I want to be certain we are all on the same page.

Thanks, Alice

Alice E. Karl, Ph.D.
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