

From: "Freeman, Craig" <CFreeman@sfwater.org>
To: "Kern, Chris (CPC)" <chris.kern@sfgov.org>
Cc: "Eickman, Kent (CWP)" <keickman@sfwater.org>, "Regler, Lori (CWP)" <lregler@sfwater.org>
Subject: Warriors (Mariposa): third and final RFI - SFPUC response (a replacement)
Date: Fri, Aug 28, 2015 4:50 PM

Chris,

As noted in prior email correspondence, SFPUC has completed the Mariposa PS Short Term Improvement project and continues priority work on the Mariposa PS Long Term Improvements Project. In the hypothetical scenario noted below, temporary operational alternatives may include:

- (i) Routing of dry weather flows to existing wet weather transport/storage boxes to temporarily store select peak flows until flows can be pumped to the treatment plant, as consistent with NPDES permit requirements.
- (ii) Reducing flows within the Mission Bay basin by modifying sewers/sewer connections to allow temporary redirection of some flows to other basins, as feasible, including potential increased routing of flows from the proposed event center (or other Mission Bay facilities) to Mission Bay Sanitary Pump Station or Channel Pump Station, as appropriate.

Please let us know if you require additional clarification. Otherwise, please note SFPUC has completed all replies on schedule.

Regards
Craig

From: Mary Lucas McDonald [<mailto:mary@orionenvironment.com>]
Sent: Tuesday, August 25, 2015 4:10 PM
To: Freeman, Craig; Eickman, Kent
Cc: 'Paul Mitchell'; 'Joyce Hsiao'; Kern, Chris
Subject: Follow Up - Information Needs

Hi Craig and Kent, and thank you for a very productive call a moment ago.

The good news is that I checked the SFPUC memo regarding the Mariposa Pump Station capacity and the source of information for each wastewater flow considered in the analysis is already documented in the memo, so that is one less action item for you to follow up on.

My other action item is that I need to provide additional information regarding our request for a better description of the internal or operational changes that could be made in the event that dry weather wastewater flows to the Mariposa Pump Station exceed the 3.5 mgd capacity of the interim (short-term) improvements to the pump station before final and permanent improvements are completed. We provided the following text on p. 5. 7-15 of the EIR:

While the system can currently accommodate project-related wastewater flows as discussed in Impact UT-5, the capacity of the Mariposa Sanitary Pump Station could be exceeded as future projects are implemented, including UCSF's Phase 2 Medical Center. It is assumed that the SFPUC will implement the permanent pump station and associated force main and conveyance

pipings improvements at the Mariposa Pump Station as soon as feasible, but the schedule for these improvements is currently unknown and completion could occur after the proposed project is constructed and operational.¹⁵ In the event that additional future wastewater flows would exceed the pump station capacities before the needed wastewater system improvements could be completed, it is assumed that the SFPUC would make internal operational or piping changes to accommodate the additional flows in the interim in order to remain in compliance with RWQCB permit requirements. The interim system modifications would be subject to the approval of the RWQCB under the terms of the Bayside NPDES permit. Approval by the RWQCB would ensure that water quality of the Bay would be protected during the interim period. Any interim system modifications are assumed to be operational or internal to the existing pump stations and therefore would not result in any physical environmental effects.

Can you provide examples of the types of internal or operational changes that may be made?

And - just confirming that your other two action items are 1) please provide an update on the status of construction of the interim improvements, including anticipated schedule; and 2) please provide any updates to the description of the planned long-term pump station improvements discussed on p. 5.17-4 of the EIR, and copied in below. Has planning already started or do we need to change the highlighted text?

As the owner and operator of the combined sewer system, the SFPUC is responsible for construction of the needed improvements to the wastewater facilities in the Mariposa sub-basin. Engineering planning and design for these improvements or replacement have not been completed, and are preliminarily scheduled to commence by mid-2015. However, the SFPUC anticipates that improvements might include actions such as complete pump station replacement, enlarging or realigning the existing sewer main on Mariposa Street between 3rd Street and the Mariposa Pump Station; upgrading and adding dry weather pumps with potential temporary wet weather pump modifications; upgrading or replacing the dry-weather sump in the pump station; constructing new connections to the transport and storage box structure and rehabilitating the structure; and improving the hydraulic capacity of the downstream gravity sewers, if needed.¹⁴ If a new dry weather pump station is required, it could potentially be constructed within approximately a quarter mile radius of the existing Mariposa Pump Station.

Thank you!

Mary

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From: Freeman, Craig [<mailto:CFreeman@sfgwater.org>]

Sent: Tuesday, August 25, 2015 10:17 AM

To: Kern, Chris; Mary Lucas McDonald (mary@orionenvironment.com)

Cc: Paul Mitchell; Joyce Hsiao (joyce@orionenvironment.com); Eickman, Kent

Subject: Warriors (GSW): Mariposa Pump Station updates

A quick note that Kent and I are available and will join the conference call at 3:00.

Craig

-----Original Appointment-----

From: Kern, Chris (CPC) [<mailto:chris.kern@sfgov.org>]

Sent: Monday, August 24, 2015 12:57 PM

To: Kern, Chris (CPC); Freeman, Craig; Eickman, Kent; Mary Lucas McDonald (mary@orionenvironment.com); Paul Mitchell; Joyce Hsiao (joyce@orionenvironment.com)

Subject: Mariposa Pump Station updates

When: Tuesday, August 25, 2015 3:00 PM-4:00 PM (UTC-08:00) Pacific Time (US & Canada).

Where: conference call

Call-in # **1-855-339-3724**

Conference ID# **1047**