



Devil's Gate Dam  
Restoration Project  
**REVISION 4**

Griffith Company Plan to Resume Sediment Hauling

Submittal Date: September 23, 2019

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# Griffith Company Plan to Resume Sediment Hauling

Griffith Company appreciates the assistance that the LADPW Field Staff has provided. Griffith continues to look for methods to achieve the cleanest possible project. We understand the expectations of LADPW includes the elimination of any visible roadway dust. Visible roadway dust as defined by Rule 403 is particulate matter which is visible upon paved road surfaces and which can be removed by a vacuum sweeper or a broom sweeper under normal operating conditions. The county's expectation of Zero visible roadway dust is beyond the standard of Rule 403.

In the past month we have added two tire washing systems, increased the sweeper and water truck time as needed and we continue dusting the trucks and watering the tops of the loads. Recently, Griffith Company has employed two independent experts to review the site and the video of the truck dust provided by LADPW. At the scale house, we have added approximately two hundred feet of new rumble plates. In addition, we will temporarily have a third-party expert reviewing our operations daily. In the future they will continue to inspect our BMP's on a weekly basis. The third party's role is to monitor and document Griffith's compliance with Rule 403 and provide recommendations to Griffith's dust control supervisors as appropriate.

## Tire Wash

We have installed a second tire wash system in tandem at the West Exit. These two tire wash systems are fully encapsulated with PCC on ingress and egress to the washes. The trucks will travel only on paved roads after driving through the tire washes. The two tire wash systems that are installed at the reservoir are operating per the manufacturer's specification and per the contract. A third tank, if installed, will reduce the particulate loading in the system, thereby reducing the water exchange cycle. The tire wash manufacturer's representative inspected the operation of the tire washing systems on September 9, 2019. They were operating properly.

## Flocculant

Griffith will monitor the water in the tire washes each day at about hour 3 and 5 of hauling. The purpose of checking the water is to adjust the flocculant dosage level for maximum efficiency. The manufacturer recommendation for proper dosing of the flocculant is to collect water from the spray nozzle and add drops of flocculant to the water sample to check if it continues to clear. If the water clears after adding the drops, the dosage meter will be adjusted accordingly. This cycle will be repeated two times a day until flocculant dosage is optimized. Once the flocculant dosage has been optimized this procedure will continue once a week on Wednesdays. The manufacturer recommended to try a different flocculant. The recommended flocculant Moby Clear, has been ordered and it will be available on September 27, 2019. Currently there are two gallons of Moby flocculant on-site. The recommendation of the manufacturer is to add one cup of Moby Flocculant to the reservoirs of the washing systems per day.

## Tire Wash Water

The process the manufacture recommends to check the cleanliness of the washing water is to capture the water from the nozzles and compare to a color chart. We are attempting to confirm the existence of the color chart with the manufacturer in Switzerland. Once confirmed we will notify the county. In the meantime, the manufacture has sent us sample

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pictures of clean water versus water that needs to be replaced. The manufacturer also recommends replacing the water in the tanks every six months.

## Dust Suppressant

Griffith will use the soil stabilizer materials EnviroTac II. LADPW has approved this product for use. The approved product has been ordered.

## Local Haul Route Cleaning

The local haul routes will be cleaned and maintained with power sweepers. The cleaning effort will not include washing down the local haul routes with water trucks.

## Third party inspection

Analytical Consulting Group (ACG) has been employed by Griffith for consultation. Personnel under the direction of Michael Tiffany, CIH, PG will act as a third-party monitor. ACG will observe for fugitive dust emissions and track out on the local haul routes, in the pit, along the truck route from the pit to the exit, and at the tire washes. ACG will report observations and recommendations to Rick Pike and/or the superintendent in charge. ACG will monitor the project full-time for the first week and half-days 2 to 3 times per week subsequently. Griffith Company will provide copies to LADPW of any reports provided by ACG.

## Griffith's Quality Control

A Griffith employee will be tasked with monitoring the tire washes and directing the trucks through the washes, to control the speed of the trucks. This employee will be available to address tire wash issues. Joe Carattini, Project Superintendent has authority to stop all work or take any corrective action needed. Rick Pike remains as the Dust Control Supervisor, tasked with monitoring compliance with Rules 402 and 403, the Special Provisions, and this Plan. Rick Pike has the authority to stop work or take any necessary corrective action.

Additionally, Joe Carattini, Shahin Agahzadeh, Justin Whitted and Victor Pinedo have completed the AQMD South Coast Air Basin Fugitive Dust Control Class and are AQMD certificate holders.

## In Conclusion:

We do have a vested interest in providing the cleanest possible project and completing our contract. We respectfully submit the above plan and ask the County to approve it and provide additional direction on the optional implementation measures.

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Respectfully,

/s/ Rick L. Pike

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