

June 28, 2017

3258 Big Spruce Way  
Park City, UT 84098  
801-580-9692

Doug Smith, Wasatch County Planner  
Wasatch County Planning Office  
55 S 500 East  
Heber, UT 84032

RE: Deer Valley Water Quality Monitoring and Site Inspection

Dear Doug,

I have had a chance to complete a review of the Deer Valley Site Inspection Report prepared by Psomas and the 2016 Runoff Season, Water Quality and Sediment Control Report for Deer Valley Resort prepared by Deer Valley. Generally, the storm water BMPs and sediment control efforts that Deer Valley has implemented since the early 1980s are working. Maintenance by Deer Valley seems to be continual and they have a maintenance work ethic that shows that the water and environment are central to the success of the resort.

A couple of maintenance issues that should be addressed include:

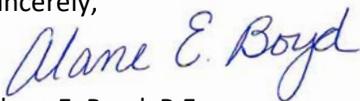
1. The sump for the Sultan drain appears to be full of sediment. The sediment should be cleaned out and the inlet area should be inspected periodically, especially after large storm events, to prevent partial or total blockage of the inlet. Deer Valley should clean out the sediment and inspect it over the summer and fall to make sure it is performing properly.
2. The west and east inlet structures at the Mayflower Lift Base should be removed and replaced this summer due to corrosion.
3. The McHenry's Basin had standing water. Once water is absent, an assessment needs to be complete to determine if sediment needs to be removed. The outlet structure also needs to be inspected to see if sediment has plugged the inlets. If there are no plugged inlets then new openings should be constructed approximately 1 to 2 feet above the base of the basin.

I suggest that another inspection be performed by Psomas in the early fall to determine if the maintenance issues outlined above have been addressed.

Additionally, the water samples from the McHenry's Basin show high levels of phosphorus. For the 2016 year, Total Phosphorus measured between 0.04 mg/l to 0.07 mg/l and Ortho Phosphate measured between 0.03 mg/l and 0.06 mg/l. Suspended Sediment was also higher in samples taken from the McHenry's Basin compared to those from the Mayflower Basin. This may be due to issues of sediment blocking outlets in the McHenry's Basin structure or other issues surrounding the basin. I suggest that Psomas work with Deer Valley to determine the cause of the elevated water quality parameters and identify a solution to the problem.

If you have any questions, please feel free to contact me at 801-580-9692.

Sincerely,



Alane E. Boyd, P.E.

Principal

Cc: Sandy Wingert, Division of Water Quality