**Permanent Water Quality Mitigation Pool**

The purpose of this Bulletin is to provide direction on managing Permanent Water Quality (PWQ) Combination projects in construction. A project follows this procedure anytime both PWQ Mitigation Pool funds and other fund sources are used.

Work with the region Water Quality Specialist and region Hydraulic Engineer to determine eligibility for Pool funds. The Region Planning and Environmental Manager (RPEM) and/or the New Development and Redevelopment (NDRD) Program Manager may be consulted on questions regarding PWQ requirements and regulations. NDRD Program requirements and guidance can be found at:

<http://teams/dtd/epb/waterquality/ndrd.form/Test/Home.aspx>

**Background:**

CDOT’s municipal separate storm sewer system (MS4) Permit requires CDOT to implement a NDRD program. This program requires CDOT to install PWQ best management practices (BMPs) on all sites that disturb one or more acres. CDOT has revised this program to be more efficient and streamlined. As part of the NRDR program, a Permanent Water Quality Mitigation Pool (the Pool) has been created to fund water quality projects on a watershed and priority basis. As a result, fewer of CDOTs projects will require onsite permanent water quality. CDOT has determined the Pool will not exceed the annual NDRD Program/Permit required amount. Because of this, not every Priority project will be funded or fully funded by the Pool.

As a part of the new program, the Colorado Department of Public Health and Environment (CDPHE) requires CDOT to report and track how the Pool is spent. This is done by creating a PWQ project separate from the main project. This means that a separate subaccount for the Project work and a separate subaccount for the PWQ work must be created and advertised jointly. The combination of subaccounts will be advertised through the relatively new procedure to advertise combined/multiple subaccount.

The Pool will only be used for elements necessary for the design and construction of the PWQ features. The Pool will not pay for elements of the project that would exist irrespective of the PWQ feature.

**Guidance:**

1. The Project Engineer (PE) and Resident Engineer (RE) will account for the Pool funds separate from other funds. The PWQ work and the other work shall be identified separately in the project documentation such as the Daily Diaries, Inspector’s Progress reports, and other forms to document the PWQ work.
2. The Project subaccounts have already been set up to pay for these items. The Project Engineer will record the PWQ work under the associated project subaccount and items in SiteManager. This is how the PWQ work will be tracked.
3. The Project Engineer and the Resident Engineer will work with NDRD Program Manager and the Region Business Manager if there is a need to add funds to the PWQ Project’s construction phase.
4. The Pool will pay elements that exist solely for the PWQ. For example, the Pool would pay for an inlet that has the sole purpose of routing flows to a feature such as a pond. The Pool would not pay for an inlet that would be necessary without the PWQ feature, solely for drainage purposes.
5. Payment for lump sum items that are required for both the PWQ work and other work and do not typically overrun will be prorated. An example is *Clearing and Grubbing*. The Project Manager and Resident Engineer will determine the percent of the total item applicable to the PWQ work compared to the other work. Decimal equivalents will then be listed in the plan sheet tabulations for the two categories of work so that the total on the Summary of Approximate Quantities is a value of one.
6. Itemsthat are not quantified as lump sum need to be analyzed and proportioned so that the total quantity for PWQ work and the other work is reported separately. An example is *Seeding*. The quantity placed for the PWQ work will be accounted for separately.
7. Because SiteManager has an auto-pay feature on the 630 Traffic Control items and Mobilization, these items will always be included in the Prime subaccount and not prorated between the subaccount(s).
8. The Pool will not pay for items that are required for the project like the Field Office, the Field Laboratories and Sanitary facilities. These items will be included in the Prime subaccount. If a change order is necessary, remember the Pool will only be used for elements necessary for the construction of the PWQ features. The Pool will not pay for elements of the project that would exist irrespective of the PWQ feature. For information regarding eligibility to use the Pool, contact the NDRD Program Manager.
9. Change Orders, if required, will be added to the appropriate subaccount. Two separate lines for posting may need to be added, i.e., one for the Prime subaccount and one for the PWQ subaccount. The Project Engineer and Resident Engineer will determine an accurate proportional difference in costs based on engineering judgment if the change order impacts both the PWQ work and the other work. Cost justifications will need to clearly identify the funding source, or sources for the additional work.
10. If Liquidated Damages (LDs) are necessary they will be included in the prime subaccount and will not be charged to the PWQ Pool.

If you have questions please first consult the RE, the Water Quality Specialist and/or the Environmental Designer. This team is critical in determining the water quality needs on the project.

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For questions regarding the eligibility to use the Pool, NDRD Program requirements or regulations, please contact the NDRD Program Manager, Amber Williams at (303) 757-9814 or dot\_pwq@state.co.us.

For questions regarding web Trsn\*port Preconstruction please contact the Project Support Unit Manager, BethAnn Wieder at (303) 757-9541 or bethann.wieder@state.co.us.

For questions regarding funding the project phases, contact your region Business Office Manager.

**References:**

Please print a copy of this bulletin and keep it with your copy of the *Construction Manual*.

The *Construction Manual* and Construction Bulletins can be found on the Design and Construction Project Support web page at:

[http://www.coloradodot.info/business/designsupport/bulletins\_manuals](http://www.coloradodot.info/business/designsupport/bulletins_manuals%20)