**WATER QUALITY CONTROL UPDATE NO. 4**

On Aug 26, 2010 CDOT issued:

* Revised Standard Special Provision, *Revision of Sections 101, 107, 208, 213 and 620 – Water Quality Control* for use on projects controlled by the 2005 *Standard Specifications*.
* Project Special Provision Worksheet, *Revision of Section 208 – Permanent Water Quality BMP As Constructed Survey*
* Project Special Provision, *Revision of Section 216 – Soil Retention Covering*

These specification changes were implemented as a result of experience gained on Contracts that included the previous version of the standard special provision. [For more background, see CB 2008-12, CB 2009-1, CB 2009-4, and CB 2009-6.] The provisions of the revised standard special provision have been included in the 2011 Standard Specifications. Clarifications as needed will be provided by the Project Development Branch and Environmental Programs Branch to ensure statewide consistency in implementing and applying this special provision. The purposes of this bulletin are to:

1. Provide summary of changes for the new and revised Water Quality Specifications.
2. Issue the Revised Environmental Preconstruction Agenda and Certification of Understanding.
3. Issue the Revised Stormwater Notebook Table of Contents and Notebook Tabs.

**New Specification Provisions**

New provisions in these special provisions include but are not limited to:

1. Revised standard special provision*, Revision of Sections 101, 107, 208, 213 and 620* – *Water Quality Control*:

* Fording waters will be allowed only as authorized by the U.S. Army Corps of Engineers 404 Permit (deleted fording four times per day).
* Erosion logs are trenched 2 inches into the soil.
* Use of hay bale checks in ditches is no longer allowed.
* Hay and straw must be certified by Colorado Department of Agriculture Weed Free Forage Certification Program. Each bale is to be identified with orange and blue twine. Hay and straw are not to be unloaded or twine removed until the Engineer has inspected and accepted them.
* Only fabricated concrete washout structures listed on the CDOT approved products list may be used.
* Recycled concrete is not allowed to be used for stabilized construction entrances (formerly called vehicle tracking pads).
* The Contractor's Superintendent shall have an Erosion Control Supervisor (ECS) certification card if he is doing daily inspections.
* Weekly Meetings will be conducted by the Engineer, the Superintendent, and the ECS for all workers involved in construction activities that could adversely affect water quality. The meeting will be held to discuss the SWMP; the CDPS-SCP; problems implementing the project SWMP or maintaining BMPs; BMPs to be constructed, removed, modified or maintained; and unresolved issues from the daily stormwater log. New subcontractors who did not attend the Environmental Preconstruction Conference will be briefed on the requirements of the SWMP and the CDPS-SCP at their first weekly meeting. An agenda for the meeting shall be prepared by the Superintendent as well as a sign in sheet on which the names and signatures of all attendees shall be recorded.
* Street sweeping will be measured and paid for when used as a BMP as specified in the Contract.
* Trash removal, when used as a BMP as shown in the Contract, will be measured and paid for.
* Secondary containment shall be capable of containing the volume of the storage structures plus at least 10% freeboard.
* Spray on Mulch Blanket has been added to Section 213 for use as a BMP and will be measured and paid for by the acre.

1. New project special provision worksheet, *Revision of Section 208 – Permanent Water Quality BMP As Constructed Survey*:

* This special provision establishes the project-specific requirements for the survey of permanent water quality BMPs that the Contractor is required to perform.

1. New project special provision, *Revision of Section 216 – Soil Retention Covering*:

* This special provision is used to establish the requirements for soil retention covering on projects where it will be used as a BMP.

**Revised Environmental Preconstruction Conference Agenda (Required for those projects with a Stormwater Permit)**

The agenda, which is attached, will be available in electronic format in Appendix A of the CDOT Construction Manual at the following link:

<http://www.coloradodot.info/business/designsupport/bulletins_manuals/cdot-construction-manual/cdot-2002-construction-manua>

The Environmental Preconstruction Conference is a requirement of the CDOT specifications and Consent Order on all projects holding a Stormwater Construction Permit. See subsection 208.03 of the standard special provision, *Revision of Sections 101, 107, 208, 213 and 620 – Water Quality Control*, for the specific requirements. The requirements also appear in subsection 208.03 of the *2011 Standard Specifications*.

The attached agenda will be handed out and used by the person conducting the Environmental Preconstruction Conference, and it will be left with the ECS to be placed in the SWMP notebook. Here is the agenda and the certification signature sheet:

  

The Environmental Preconstruction Conference can occur as part of the regular preconstruction conference or as a separate meeting at a different date (e.g., at the initial BMP inspection) as agreed upon by the Project Engineer and the Superintendent.

For the preconstruction conference to be the most effective, the SWMP notebook shall already be put together to the greatest extent possible. The Engineer will provide the following:

1. The notebook including tabs
2. Table of contents for maintaining the order of documentation within the notebook
3. SWMP site map and project plan and title sheet
4. Copies of subsection 107.25 and sections 207, 208, 212, 213, and 216 of the Standard Specifications, and the Standard and project special provisions that modify them
5. Standard Plan M-208-1
6. Calendar for marking when the 14 day inspections take place and when the storm event inspections take place
7. All project environmental permits and associated applications, including, CDPS-SCP, Senate Bill 40, USACE 404 permit (if applicable), and all other permits applicable to the project, including any CDPS-SCP obtained by the Contractor.

Here is a copy of the Table of Contents for the SWMP notebook:



The Contractor shall have submittals that are required prior to construction commencing prepared for the meeting including but not limited to:

1. Copy of Project Schedule as required under subsection 208.02(b)
2. Erosion Control Supervisor Card
3. Potential pollutants list - 107.25(b)5
4. Spill prevention, control and countermeasure plan - 208.051
5. Description of inspection and maintenance methods implemented at the site to maintain all erosion and sediment control practices identified in the SWMP. (Including who is responsible for the maintenance of all erosion control measures, how the ECS can make available labor, material and equipment to maintain suitable erosion and sediment control features, and how and when BMPs are inspected and action items are dispatched to crew for repair or maintenance.)
6. A minimum of ten days prior to the start of the construction activity, a method statement for containing pollutant by-products (concrete saw water, concrete washout in accordance with 107.25 (b) 13).
7. Copy of Construction Dewater Permit (CDW) prior to dewatering operations (if any).
8. Written notification to owners of water supply at least 15 days prior to dredging or fill operations in accordance to 107.25 (b) 9 (if any)
9. A sample of the staples and a copy of the manufacturer's product data showing that the product meets the Contract requirements shall be submitted for approval at the environmental preconstruction conference.