

POST-CONSTRUCTION BMP & NPDES FREQUENTLY ASKED QUESTIONS

AUGUST 11, 2008

Q: What pay items should be shown when specifying an exfiltration trench?

A: The plans should show the following items when an exfiltration trench is specified:

<i>Item</i>	<i>Description of Items Included</i>
<i>ITEM 835, Exfiltration Trench Type ___</i>	<ul style="list-style-type: none"> • 4" perforated conduit (Item 707.31) • Filter media • Exfiltration Trench box structure • Concrete for 12" [300] exfiltration trench gutter for Exfiltration Trench Type A. • Curb for Exfiltration Trench, Types A and C.
<i>ITEM 603, 4" Conduit, Type B 707.33</i>	<ul style="list-style-type: none"> • Non-perforated 4-inch outlet conduit

In addition, the Exfiltration Trench Type B does not include the cost of the barrier.

See L&D Volume 2, Section 1117.1 to determine the appropriate Type of exfiltration trench. See the Standard Construction Drawing ([click here for Hydraulic SCDs](#)) for further exfiltration trench details.

Q: The last paragraph of the January 2008 edition of L&D Volume 2, Section 1115.6 states, "ODOT projects that do not require acquisition of new right-of-way are considered redevelopment projects." Does this mean that any project acquiring new right-of-way is considered "new construction"?

A. No. While projects that do not require acquisition of new right-of-way are a significant portion of projects considered Redevelopment, they are a subset of Redevelopment Projects.

The statement does not exclude the possibility that a project may acquire new right-of-way, but not add impervious area in the new right-of-way. This scenario

would meet the definition of a Redevelopment Project provided in the first paragraph of Section 1115.6.

The statement in Section 1115.6 serves to reinforce the new approach presented in the January 2008 L&D Volume 2 that assumes a runoff coefficient of 0.90 for all areas within the existing right-of-way for post-construction BMP purposes. For projects that do not acquire new right-of-way and thereby maintain the existing BMP post-construction runoff coefficient (regardless of the increase in pavement area), there should be no question regarding the use of the Redevelopment post-construction BMP design approach.

Q: Section 1116.2 requests a conceptual BMP layout to be developed during Step 6 of the PDP for Major Projects and Step 3 for Minor Projects. What design activities and level of effort are expected for this item?

A: The conceptual Post-Construction BMP layout submitted at Step 6 for Major Projects and Step 3 for Minor Projects is intended to provide a general post-construction BMP approach. The following items should be considered in the post-construction BMP evaluation:

- *Project classification as Redevelopment or New Construction according to Location and Design Manual, Volume 2.*
- *Requirements, if any, for water quantity treatment*
- *Post-construction BMP selection based on project setting and drainage features*
- *Identification of constraints regarding implementation of post-construction BMPs. Constraints include total parcel takes, impacts to environmental resources, major utility relocations, etc.*

With respect to post-construction BMPs, avoid a significant design effort with the conceptual design. Detailed calculations are not required with the conceptual layout. The hydraulic information needed for the post-construction BMP calculations is often not available at this time. Therefore, limit the post-construction BMP conceptual design to the above items.

Any major constraints and implementation problems should be identified and communicated as early as possible in the project design process.

Q: Are the submittals required in Section 1116.2 of L&D Volume 2 stand-alone submissions?

*A: No. Information or calculations submitted with regard to post-construction BMPs should be made as part of the overall project submittals (i.e. Preliminary Engineering, AFA Report, PAVR, Stage 1, etc.). Separate reports concerning post-construction BMPs are **NOT** required (i.e. Feasibility Studies).*

Q: Should SS 832 be added to the title sheet for routine maintenance projects as defined in Section 1112.2 of L&D Volume 2?

A: Yes. Supplemental Specification 832 should be provided on all projects, even those projects that expect no earth disturbed area. See the NPDES flowchart:

([http://www.dot.state.oh.us/Divisions/HighwayOps/Structures/Hydraulic/Documents/NPDESFlowchart%2001-18-08\[1\].pdf](http://www.dot.state.oh.us/Divisions/HighwayOps/Structures/Hydraulic/Documents/NPDESFlowchart%2001-18-08[1].pdf))

Q: If it appears that minimal temporary sediment and erosion control BMPs are necessary, what should be used as a minimum amount for the Pay Item 832 Erosion Control - EACH?

A: Projects with no contractor and project EDA are not required to provide an amount. For projects with EDA greater than zero, the minimum amount should be \$1,000 (1000 EACH) according to the NPDES flowchart (see link below).

([http://www.dot.state.oh.us/Divisions/HighwayOps/Structures/Hydraulic/Documents/NPDESFlowchart%2001-18-08\[1\].pdf](http://www.dot.state.oh.us/Divisions/HighwayOps/Structures/Hydraulic/Documents/NPDESFlowchart%2001-18-08[1].pdf))

The BMP estimator (link provided below) shall be used to assist in determining the TSEC Estimate. Adjustments may be made to the spreadsheet based on project specific conditions.

(http://www.dot.state.oh.us/Divisions/ConstructionMgt/Admin/General%20Files/Engineering/TSEC_BMP_estimator_11_2.xls)

Q: Should a NOI be submitted for routine maintenance projects as defined in Section 1112.2 of L&D Volume 2?

A: No. Projects consisting of only routine maintenance activities that involve less than 5 acres of EDA do not require a NOI. However, SS832 should be shown on the title sheet.

Q: Should a NOI be filed if a project consisting of only routine maintenance activities exceeds 5 acres of total EDA?

A: Yes. If the routine maintenance activities exceed 5 acres, the project is no longer considered a routine maintenance project, and must be treated as a standard construction project. Submittal of a NOI, incorporation of post-construction BMPs, payment for 832 Erosion Control – Each, and payment for 832 SWPPP – Lump Sum is required.

Q: For the project site plan data box, should the actual pre and post C-values (runoff coefficient values) be used or should the C-value be 0.9 for all existing right of way like they are for the BMP calculations?

A: Use the actual C-values based on Section 1101 of L&D Volume 2. The C-value of 0.9 applied to the existing right-of-way is for post-construction BMP calculations only. Reference to this C-value is only need in the BMP calculations, not the plans.