

EPD ES&PC Plan Review: Examples of Necessary Revisions

- a. Checklist item 6: The GPS locations on Drawing No. 50-002 do not appear to be associated with the project. Verify the locations & revise accordingly. No revisions were made to the submitted Plan.
- b. Checklist item 7: Note the initial date of the Plan. A date was not added to “Plans Completed” on Drawing No. 50-001 of the submitted Plan.
- c. Checklist items 33 & 34:
 - i. Revise the total site size above the sampling table to 32.04 acres per the 53 series.
 - ii. Revise the Appendix B NTU value for all outfalls to 50 NTUs.
 - iii. Sampling Location 6: Ensure that the sample is taken at the drop inlet (within the inlet sediment trap) beyond all BMPs.
 - iv. Sampling Location 2 (404+00, 25.8’ RT): The silt gate at the pipe inlet needs to be removed to prevent pooling and skewing of the sampling results.
 - v. Sampling Location 7B: The sampling location should be revised to Outfall 7 (the last point in the line to sample the discharge).
 - vi. Sampling Location 11A: The sampling location should be revised to Outfall 11 (the last point in the line to sample the discharge).
 - vii. Sampling Location 16: Ensure that the sample is taken at the drop inlet (within the inlet sediment trap) beyond all BMPs.
- d. Checklist item 42:
 - i. Revise the labels to the outfalls on Drawing No. 53-001 so that they are distinguishable from the outfalls on Drawing No. 53-003 in the sampling table under the “represented outfall drainage basins” column and correspond with the sediment storage table.
 - ii. Outfall 7 (Drawing No. 53-001): Revise the outfall location to STA 165+48, 19’ RT.
 - iii. Outfalls 1 & 1A: Combine the basins and revise the outfall location to STA 11+65, 25’ LT at the drop inlet. The discharges would be captured at that point.

EPD ES&PC Plan Review: Examples of Necessary Revisions

- iv. Outfalls 7A & 7B: The discharges at those locations flow to Outfall 7. Combine the outfalls with Outfall 7. The discharges would be captured at that point.
- v. Outfall 9A: The discharge at this location flows to Outfall 9. Combine the outfall with Outfall 9. The discharge would be captured at that point.
- vi. Outfalls 11A & 11B: The discharges at those locations flow to Outfall 11. Combine the outfalls with Outfall 11. The discharges would be captured at that point.
- vii. Outfall 17A: The discharge at this location flows to Outfall 17. Combine the outfall with Outfall 17. The discharge would be captured at that point.
- e. Checklist item 43: Ensure that all sampling locations **including their station numbers & offsets** are shown on the map. The station numbers & offsets should correspond with the sampling table. Revise accordingly.
- f. Checklist item 48:
 - i. Revise the total disturbed area above the sediment storage table to 15.16 acres.
 - ii. Verify and revise the provided sediment storage calculations in the table on Drawing No. 51-0003.
 - iii. Outfall 6: The drainage area (1.30 ac) in the sediment storage table does not correspond with the information (1.24 ac) in the 53 series. Revise accordingly.
 - iv. Outfall 19: Revise the written justification. The sediment storage requirement will not be met once the calculations are revised. Also, replace check dams with inlet sediment traps in the written justification.
 - v. Outfall 20: Replace check dams with inlet sediment traps in the written justification.
- g. Checklist items 40 & 46: Ensure that the information (drainage area and disturbed area) for all drainage basins in the 53 series corresponds to the sediment storage table. For CFA 18, this information does not correspond. Revise the tables so that the information corresponds.

EPD ES&PC Plan Review: Examples of Necessary Revisions

- h. Checklist items 47: According to the Permit, “perennial and intermittent waters of the State shall not be used for temporary or permanent sediment detention.” On Drawings No. 54-056 & 54-106, a silt gate is shown on the 42” pipe at STA 128+95. Based on the direction of flow within the pipe, the buffered state water flowing into the pipe will be used for temporary sediment detention. Remove the silt gate from the 42” pipe.
- i. Checklist item 33:
 - viii. Outfall 4: There is no visible “end of ditch” as noted in the sampling table to verify the location. If the sampling location is at the pipe outlet, then revise the sampling location. The sampling location should be beyond all land disturbing activities and BMPs.
 - ix. Outfall 20: The sampling location should be beyond all land disturbing activities and BMPs. Revise the sampling location.
- j. Checklist items 38 & 39:
 - i. Open Water 2: For the impacts at CR 155, revise the “end” impacts to the left side of the project to STA 514+40 LT. Change the “Yes” to “No” for “buffer variance required”. For the impacts at Ramp C, the impacts appear to be beyond the 50’ exemption box for roadway drainage structures. Verify the impacts and seek a buffer variance if needed.
 - ii. Stream 5: Change the “Yes” to “No” for “buffer variance required”.
 - iii. Open Water 6: Revise the “begin” impacts to the left side of the project to STA 917+85 LT. The impacts to this feature appear to be non-exempt activities. Verify the impacts and seek a buffer variance if needed.
- k. Checklist item 46:
 - i. The information (drainage area and disturbed area) in the sediment storage table should correspond to the information in the table on Drawing No. 53-003 for each basin/outfall. Revise the tables so that the information corresponds.
 - ii. Outfall 24: Remove the written justification for not meeting the required 67 cy of storage.
 - iii. Outfall 32: Add the written justification for not meeting the required 67 cy of storage.

EPD ES&PC Plan Review: Examples of Necessary Revisions

- iv. Add the skimmer information for “time to drain (hrs)” to the temporary sediment basin details on Drawing No. 51-004.
- l. Checklist item 47: Change the “Sg” to “Rt-Sg” for silt gates in Stage 3 on Drawing No. 54-47.
- m. Checklist item 5: Note total and disturbed acreage of the project or phase under construction. There are still different values noted for the total project area and total disturbed area. Drawing No. 53-001 states that the total project area is 13.01 ac. The sampling table states that the total project area is 12.43 ac. Drawing No. 53-003 states that the disturbed overall acreage is 11.28 ac versus 9.97 ac shown in the rest of the Plan. Revise the values for both accordingly.
- n. Checklist items 32 & 33:
 - x. All contributing drainage basins/outfalls in the 53 series should either be sampled or represented by a sampling location. Outfall B-17 is not shown in the sampling table. Revise the sampling table.
 - xi. Sampling Location A-1: Outfall A-1 is not constructed until Phase 2 Stage 3. Revise the sampling location.
 - xii. Sampling Location B-1: Outfall B-1 is not constructed until Phase 2 Stage 2. Revise the sampling location.
 - xiii. Sampling Location E-1: Revise the sampling location to STA 119+83, 84’ LT.
- o. Checklist item 37: Submit the supporting documentation as required by the Alternative BMP Guidance for the use of fabric check dams on the project.
- p. Checklist item 41: Revise the sampling locations on Drawing No. 55-001 to correspond with the sampling table.
- q. Checklist item 43:
 - i. Outfall A-1: Remove the information regarding outlet protection from the table on Drawing No. 51-002 as shown for Outfall H-1. Outlet protection is not associated with a drop inlet.
 - ii. Outfall E-1: If no new outlet protection is being installed, then the information regarding outlet protection should be removed from the table on Drawing No. 51-002 as shown for Outfall H-1.
- r. Checklist item 46:

EPD ES&PC Plan Review: Examples of Necessary Revisions

- vi. Outfall E-1: The disturbed area (2.01 ac) in the sediment storage table does not correspond to the disturbed area (2.07 ac) in the table on Drawing No. 53-001. Revise accordingly.
 - vii. Outfall D-1: Provide a written justification explaining the decision to use equivalent controls when a sediment basin is not attainable for each common drainage location even when the storage requirement is met. Sediment basins are to be considered first for sediment storage requirements.
 - viii. Revise the written justification as to why 67 cubic yards of storage is not attainable for each applicable drainage location (Outfalls A-1, B-1, B-17, E-1 and sheet flow). The justification should state that the maximum number of BMPs allowed by the Manual have been installed in an attempt to meet the storage requirement. Also, add a statement that the installed BMPs should be sufficient to control erosion and prevent sediment from leaving the project. This justification is separate from the justification for not using a sediment basin (see checklist item 46 narrative).
- s. Checklist item 47: Change the label for outlet protection from “Sd2-F” to “St-Rp” for Outfall D-1 in all applicable stages.