|  |
| --- |
| **SITE ACCESS BMPs** |
|  |
| ***Rock Construction Entrance (RCE) (Not ABACT)*** | **YES** | **NO**  | **N/A** |
| 1. | Is an RCE installed, unless another type of entrance was approved such as a rumble pad? | [ ]  | [ ]  | [ ]  |
| 2. | Is the RCE constructed per the approved plan? | [ ]  | [ ]  | [ ]  |
| 3. | Is there a geotextile underlayment? | [ ]  | [ ]  | [ ]  |
| 4. | Is a Wash Rack required? | [ ]  | [ ]  | [ ]  |
| a. | Is the area to and from wash rack lined with rocks? | [ ]  | [ ]  | [ ]  |
| b. | Is there a stockpile of rocks nearby to refresh as needed? | [ ]  | [ ]  | [ ]  |
| c. | Does it discharge to a sediment removal facility? | [ ]  | [ ]  | [ ]  |
| 5. | Are rocks being replenished when needed? | [ ]  | [ ]  | [ ]  |
| 6. | Are there signs of accelerated erosion? | [ ]  | [ ]  | [ ]  |
| 7. | Are there signs of dirt on roadways outside of project site?  | [ ]  | [ ]  | [ ]  |
| 8. | Have cut in areas been stabilized? | [ ]  | [ ]  | [ ]  |
|  |
| ***Temporary and Permanent Access Roads*** | **YES** | **NO** | **N/A** |
| 1. | Are the access roads installed per the approved plan? | [ ]  | [ ]  | [ ]  |
| 2. | Are the roads located inside the LOD? | [ ]  | [ ]  | [ ]  |
| 3. | Is drainage from roads directed to a stable drainage course or well stabilized areas? | [ ]  | [ ]  | [ ]  |
| 4. | Is there a surface water nearby? | [ ]  | [ ]  | [ ]  |
| a. | Is there a sufficient filter strip or vegetated area between road and surface water? | [ ]  | [ ]  | [ ]  |
| b. | If not, has a sediment BMP been installed? | [ ]  | [ ]  | [ ]  |
| 5. | Are there any signs of accelerated erosion from roadway drainage? | [ ]  | [ ]  | [ ]  |
|  |
| ***Temporary Steam or Wetland Crossing*** | **YES** | **NO** | **N/A** |
| 1. | Was a Chapter 105 permit obtained? | [ ]  | [ ]  | [ ]  |
| 2. | Is the crossing built per the approved plan? | [ ]  | [ ]  | [ ]  |
| 3. | Are controls installed to protect surface waters from upslope disturbance? | [ ]  | [ ]  | [ ]  |
| 4. | Do rocks extend a minimum of 50 ft from top of bank on both sides? | [ ]  | [ ]  | [ ]  |
| 5. | Is maintenance stone available? | [ ]  | [ ]  | [ ]  |
| 6. | Are there signs of accelerated erosion? | [ ]  | [ ]  | [ ]  |
| 7. | Was the structure removed when no longer needed or within the time required by permit? | [ ]  | [ ]  | [ ]  |

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| **HOUSEKEEPING BMPs** |
|  |
| ***Site Housekeeping and Waste Management*** | **YES** | **NO** | **N/A** |
| 1. | Is there a PPC Plan on-site (if necessary)? | [ ]  | [ ]  | [ ]  |
| 2. | Are BMPs being used to store construction/demolition material? | [ ]  | [ ]  | [ ]  |
| 3. | Is trash, construction material, etc. being disposed of properly? | [ ]  | [ ]  | [ ]  |
| 4. | Is concrete being mixed or poured on-site? | [ ]  | [ ]  | [ ]  |
| a. | If Yes, is there a concrete washout area? | [ ]  | [ ]  | [ ]  |
| b. | Are there signs identifying the concrete washout area? | [ ]  | [ ]  | [ ]  |
| c. | Is washout area located within 50 feet of surface waters, storm drains, or open ditches? | [ ]  | [ ]  | [ ]  |
| d. | Are accumulated materials removed when they reach 75% capacity? | [ ]  | [ ]  | [ ]  |
| e. | Are plastic liners replaced with each cleaning of the washout facility? | [ ]  | [ ]  | [ ]  |
|  |
| ***Dewatering Work Area*** | **YES** | **NO** | **N/A** |
| 1. | If water is being pumped from a disturbed area, is it being treated for sediment removal? | [ ]  | [ ]  | [ ]  |
| 2. | Are filter fabric and straw bales used? | [ ]  | [ ]  | [ ]  |
| 3. | Are pumped water filter bag(s) in use?  | [ ]  | [ ]  | [ ]  |
| a. | Is bag on flat surface, i.e., no roots, sticks, rocks, etc.? | [ ]  | [ ]  | [ ]  |
| b. | If on slope, have non-erodible materials been used to level the area prior to bag placement? | [ ]  | [ ]  | [ ]  |
| c. | Are bags in a well vegetated / erosion resistant area? | [ ]  | [ ]  | [ ]  |
| d. | If in Special Protection waters, is there a filter sock downslope of the filter bag? | [ ]  | [ ]  | [ ]  |
| e. | Are bags removed from service and replaced when full or damaged? | [ ]  | [ ]  | [ ]  |
| f.  | Are bags placed on top of straps? | [ ]  | [ ]  | [ ]  |
| g. | Are extras bags kept on-site? | [ ]  | [ ]  | [ ]  |
| h. | Are there signs of accelerated erosion? | [ ]  | [ ]  | [ ]  |
| i. | Is the pump rate less than 750 gpm or ½ the maximum specified by the manufacturer, whichever is less? | [ ]  | [ ]  | [ ]  |

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| .**HOUSEKEEPING BMPs** |
| **Sump Pits *(Not ABACT unless used in conjunction with a pumped water filter bag)*** | **YES** | **NO** | **N/A** |
|  | Is sump pit being used in waters with high turbidity? | [ ]  | [ ]  | [ ]  |
|  | Is sump pit located at low point in work area outside of construction activity? | [ ]  | [ ]  | [ ]  |
|  | Is pump intake inside a standpipe? | [ ]  | [ ]  | [ ]  |
|  | Is discharge from pump to a stable area below disturbances from work zone? | [ ]  | [ ]  | [ ]  |

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| **SEDIMENT BARRIERS AND FILTERS** |
|  |
| ***Compost Filter Sock (CFS) (ABACT if filled with compost; other fillings may not qualify as ABACT)*** | **YES** | **NO** | **N/A** |
| 1. | Is CFS installed on existing grade or contour? | [ ]  | [ ]  | [ ]  |
| 2. | Are ends upturned at a 45-degrees to prevent end-around flows? | [ ]  | [ ]  | [ ]  |
| 3. | Is there a wedge, typically made of compost, on the upslope side to prevent undermining of the sock? | [ ]  | [ ]  | [ ]  |
| 4. | Are there stakes through / downslope of the CFS? | [ ]  | [ ]  | [ ]  |
| 5. | Are there any disturbed areas downslope of sediment barrier? | [ ]  | [ ]  | [ ]  |
| 6. | Are there rips or tears in the CFS? | [ ]  | [ ]  | [ ]  |
| 7. | Does the CFS provide adequate height for design? | [ ]  | [ ]  | [ ]  |
| 8. | Is there erosion or rills under CFS? | [ ]  | [ ]  | [ ]  |
| 9. | Is sediment higher than one-half (½) the height of the CFS? | [ ]  | [ ]  | [ ]  |
| 10. | Is sediment overtopping the CFS? | [ ]  | [ ]  | [ ]  |
| 11. | Are CFSs replaced within 24 hours of discovery of problems? | [ ]  | [ ]  | [ ]  |
| 12. | Are biodegradable CFSs replaced every 6 months? | [ ]  | [ ]  | [ ]  |
| 13. | Are photodegradable CFSs replaced annually? | [ ]  | [ ]  | [ ]  |
| 14. | Are polypropylene socks replaced in accordance with manufacturers specifications? | [ ]  | [ ]  | [ ]  |
| 15. |  Once area is stabilized were stakes removed? | [ ]  | [ ]  | [ ]  |
| 16. | Once area is stabilized were socks removed or cut open and compost spread? | [ ]  | [ ]  | [ ]  |
| 17. | Is sock being used as a retaining wall for fill? | [ ]  | [ ]  | [ ]  |

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| **SEDIMENT BARRIERS AND FILTERS** |
|  |
| ***Silt Fence (SF) (Not ABACT)*** | **YES** | **NO** | **N/A** |
| 1. | Is the SF installed on existing grade or contour? | [ ]  | [ ]  | [ ]  |
| 2. | Is the SF > 8 ft from toe of fill slope? | [ ]  | [ ]  | [ ]  |
| 3. | Are there any disturbed areas downslope of the SF? | [ ]  | [ ]  | [ ]  |
| 4. | Are stakes on downslope side of SF and secured? | [ ]  | [ ]  | [ ]  |
| 5. | Is SF trenched at least 6” and backfill compacted OR is slicing method used per manufacturer’s specifications? | [ ]  | [ ]  | [ ]  |
| 6. | Are end sections wrapped together? | [ ]  | [ ]  | [ ]  |
| 7. | Are ends upturned at a 45-degrees to prevent end around flows? | [ ]  | [ ]  | [ ]  |
| 8. | Does the SF receive sheet flow, not concentrated flow? | [ ]  | [ ]  | [ ]  |
| 9. | Is the SF at least 18” high? | [ ]  | [ ]  | [ ]  |
| 10. | Are the stakes 2’ x 2’ stakes? | [ ]  | [ ]  | [ ]  |
| 11. | Are the stakes a max of 8’ apart? | [ ]  | [ ]  | [ ]  |
| 12. | Does sediment build-up exceed ½ the height of the SF? | [ ]  | [ ]  | [ ]  |
| 13. | Is the SF undermined or overtopped? | [ ]  | [ ]  | [ ]  |
| 14. | Are there rips or holes in the fabric? | [ ]  | [ ]  | [ ]  |
| 15. | Is the SF sagging? | [ ]  | [ ]  | [ ]  |
| 16. | Are stakes leaning, loose, or broken? | [ ]  | [ ]  | [ ]  |
|  |
| ***Rock Filter (Not ABACT)*** | **YES** | **NO** | **N/A** |
| 1. | Is the rock filter being used in place of appropriate linings? | [ ]  | [ ]  | [ ]  |
| 2. | Is the appropriate sized rip-rap being used? | [ ]  | [ ]  | [ ]  |
| 3. | Is filter stone clogged? | [ ]  | [ ]  | [ ]  |
| 4. | Is sediment removed when it reaches half the height of the filter? | [ ]  | [ ]  | [ ]  |
| 5. | If in HQ watershed, has the rock filter been anchored by 6” of compost on the upgradient slope? | [ ]  | [ ]  | [ ]  |
|  |
| ***Storm Inlet Protection (Inlet Filter Bags are ABACT for HQ but not EV)*** | **YES** | **NO** | **N/A** |
| 1. | Is there inlet protection for all inlets that don’t discharge to sediment basin or trap? | [ ]  | [ ]  | [ ]  |
| 2.  | Is the inlet filter bag installed per manufacturer specifications? | [ ]  | [ ]  | [ ]  |
| 3. | Is there a max ½ acre drainage area to the filter bag? | [ ]  | [ ]  | [ ]  |
| 4. | Are filter bags replaced when: a) the bag is ½ full, b) flow capacity is reduced, and c) the bag is damaged? | [ ]  | [ ]  | [ ]  |
| 5. | If bags are reused, are they rinsed where the rinse water will enter a sediment trap or basin? | [ ]  | [ ]  | [ ]  |
| 6. | Are extra bags kept on-site? | [ ]  | [ ]  | [ ]  |

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| **RUNOFF CONVEYANCE BMPs** |
| ***Channels*** | **YES** | **NO** | **N/A** |
| 1. | Does the channel meet slope requirements from the approved plans? | [ ]  | [ ]  | [ ]  |
| 2. | Is there positive drainage throughout channel? | [ ]  | [ ]  | [ ]  |
| 3. | Has a proper crossing been installed, if needed? | [ ]  | [ ]  | [ ]  |
| 4. | Is the channel cleaned when channel depth is reduced by 25% at any location? | [ ]  | [ ]  | [ ]  |
| 5. | Is sediment removed within 24 hours of discovery? | [ ]  | [ ]  | [ ]  |
| 6. | Is excess vegetation removed from permanent channels to maintain channel capacity? | [ ]  | [ ]  | [ ]  |
| 7. | Are damaged linings replaced within 48 hours of discovery? | [ ]  | [ ]  | [ ]  |
|  |
| ***Vegetated/Sodded Channels*** | **YES** | **NO** | **N/A** |
| 1. | Are anchor trenches installed at beginning and end of channel? | [ ]  | [ ]  | [ ]  |
| 2. | Is grass height maintained between 2”-3”? | [ ]  | [ ]  | [ ]  |
| 3. | Was soil prepared prior to sod placement? | [ ]  | [ ]  | [ ]  |
| 4. | Is the sod being watered sufficiently? | [ ]  | [ ]  | [ ]  |
| 5. | Are the plant species suitable for peak flows? | [ ]  | [ ]  | [ ]  |
|  |
| ***Riprap Channels*** | **YES** | **NO** | **N/A** |
| 1. | Does channel meet specifications after rock installation? | [ ]  | [ ]  | [ ]  |
|  |
| ***Berms*** | **YES** | **NO** | **N/A** |
| 1. | Is flow maintained along upslope side? | [ ]  | [ ]  | [ ]  |
| 2. | Is the berm properly compacted? | [ ]  | [ ]  | [ ]  |
| 3. | Has the upslope side been stabilized per the approved plan? | [ ]  | [ ]  | [ ]  |
|  |
| ***Top of Slope Berm (TSB)*** | **YES** | **NO** | **N/A** |
| 1. | Is the TSB maintained with successive lifts? | [ ]  | [ ]  | [ ]  |
| 2. | Is the TSB raised prior to next lift? | [ ]  | [ ]  | [ ]  |
| 3. | Is there 90% vegetative cover on exterior slopes? | [ ]  | [ ]  | [ ]  |
| 4. | Does the TSB outlet to slope pipes, channels, etc. that convey runoff to a sediment trap, sediment basin, or collector channel? | [ ]  | [ ]  | [ ]  |
| 5. | Does the channel behind berm have positive grade to outlet and appropriate lining? | [ ]  | [ ]  | [ ]  |
| 6. | Are there signs of accelerated erosion? | [ ]  | [ ]  | [ ]  |

| **SEDIMENT BASINS** |
| --- |
|  |
| ***Sediment Basins (SBs)*** | **YES** | **NO** | **N/A** |
| 1. | Is the SB installed in a surface water? | [ ]  | [ ]  | [ ]  |
| 2. | Is the bottom elevation below the seasonal high-water table? | [ ]  | [ ]  | [ ]  |
| 3. | Are springs/seeps conveyed around the SB? | [ ]  | [ ]  | [ ]  |
| 4. | Are forebays cleaned when the sediment reaches ½ the total depth? | [ ]  | [ ]  | [ ]  |
| a. | Is a cleanout stack identifiable? | [ ]  | [ ]  | [ ]  |
| 5. | Does the SB dewater in 2-7 days (4-7 days in Special Protection waters)? | [ ]  | [ ]  | [ ]  |
| 6. | Does the emergency spillway have a bottom width of at least 8’? | [ ]  | [ ]  | [ ]  |
| 7. | Is the emergency spillway crest at least 6” above principal spillway? | [ ]  | [ ]  | [ ]  |
| 8. | Are outlet barrels on permanent basins set in a concrete cradle? | [ ]  | [ ]  | [ ]  |
| 9. | Is the discharge conveyed to a surface water or storm sewer?  | [ ]  | [ ]  | [ ]  |
| 10. | Is the embankment top at least 8’ wide?  | [ ]  | [ ]  | [ ]  |
| 11. | Is the max embankment slope 2H:1V?  | [ ]  | [ ]  | [ ]  |
| 12. | Are outside slopes blanketed?  | [ ]  | [ ]  | [ ]  |
| 13. | Are embankments vegetated and/or lined?  | [ ]  | [ ]  | [ ]  |
| 14. | Skimmer Dewatering |
| a. | Is there a rope attached to skimmer to allow access once installed?  | [ ]  | [ ]  | [ ]  |
| b. | Is ice or sediment build-up around principal spillway being removed?  | [ ]  | [ ]  | [ ]  |
| c. | Are cleanout stakes installed?  | [ ]  | [ ]  | [ ]  |
| d. | Is sediment removed when level on cleanout stake is reached?  | [ ]  | [ ]  | [ ]  |
| e. | If skimmer is attached to permanent riser, do all orifices on permanent riser below temporary riser extension have a watertight temporary seal?  | [ ]  | [ ]  | [ ]  |
| f. | Is a malfunctioning skimmer repaired/replaced within 24 hours?  | [ ]  | [ ]  | [ ]  |
| 15. | Is the fill material for embankments free of tree roots, woody vegetation, large rocks, etc.?  | [ ]  | [ ]  | [ ]  |
| 16. | Is fill material compacted?  | [ ]  | [ ]  | [ ]  |

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| **SEDIMENT BASINS** |
|  |
| ***Sediment Basins (SBs)*** | **YES** | **NO** | **N/A** |
| 17. | Are there signs of erosion, piping, or settlement?  | [ ]  | [ ]  | [ ]  |
| 18. | Does the principal spillway riser have a trash rack and an anti-vortex device?  | [ ]  | [ ]  | [ ]  |
| 19. | Are baffles tied into one side of SB unless otherwise approved?  | [ ]  | [ ]  | [ ]  |
| 20. | Are damaged or warped baffles replaced within 7 days of discovery?  | [ ]  | [ ]  | [ ]  |
| 21. | Are baffles needing support posts used in basins requiring impervious liners?  | [ ]  | [ ]  | [ ]  |
| 22. | Was the dewatering facility installed immediately upon completion of sediment basin or trap?  | [ ]  | [ ]  | [ ]  |
| 23. | Was all sediment removed from inside barrel prior to initiating dewatering facility?  | [ ]  | [ ]  | [ ]  |
| 24. | Is the dewatering facility continuously monitored during operation?  | [ ]  | [ ]  | [ ]  |
| 25. | Is the dewatering facility immediately shutdown if a problem is found?  | [ ]  | [ ]  | [ ]  |

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| **COMPOST SOCK SEDIMENT TRAPS** |
|  |
| ***Compost Sock Sediment Traps (CSSTs) (ABACT for HQ and EV)*** | **YES** | **NO** | **N/A** |
| 1. | Is the CSST constructed per approved plan? | [ ]  | [ ]  | [ ]  |
| 2. | Is there a maximum of 3 socks high? | [ ]  | [ ]  | [ ]  |
| 3. | Is there a minimum of one 24” sock?  | [ ]  | [ ]  | [ ]  |
| 4. | Are socks stacked in triangular form?  | [ ]  | [ ]  | [ ]  |
| 5. | Are stakes in an ” x” formation with supports?  | [ ]  | [ ]  | [ ]  |
| 6. | Do the socks have an excessive number of rips and tears or otherwise large rips or tears?  | [ ]  | [ ]  | [ ]  |
| 7. | Do socks provide adequate height for the design?  | [ ]  | [ ]  | [ ]  |
| 8. | Is a cleanout stake or other indicator present?  | [ ]  | [ ]  | [ ]  |
| 9. | Is the sediment below the cleanout indicator?  | [ ]  | [ ]  | [ ]  |

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| **SEDIMENT TRAPS** |
|  |
| ***Sediment Traps (STs)*** | **YES** | **NO** | **N/A** |
| 1. | Is the ST located below all areas of disturbance? | [ ]  | [ ]  | [ ]  |
| 2. | Do collector channels enter the ST on upslope side? | [ ]  | [ ]  | [ ]  |
| 3. | Is the ST located within surface waters? | [ ]  | [ ]  | [ ]  |
| 4. | Is the ST accessible for maintenance?  | [ ]  | [ ]  | [ ]  |
| 5. | Is the minimum sediment flow to length ratio of 2L x 1W (4L x 1W in Special Protection waters) unless a turbidity barrier or forebay is used?  | [ ]  | [ ]  | [ ]  |
| 6. | Is the minimum flow length through the ST 10’ unless trap is constructed around inlet structure?  | [ ]  | [ ]  | [ ]  |
| 7. | Does the ST discharge to stable, erosion resistant area?  | [ ]  | [ ]  | [ ]  |
| 8. | Is outlet protection provided at pipe outfall?  | [ ]  | [ ]  | [ ]  |
| 9. | Is the minimum storage depth 2’ (1’ for sediment and 1’ for dewatering zone)?  | [ ]  | [ ]  | [ ]  |
| 10. | Can the ST dewater the dewatering zone completely?  | [ ]  | [ ]  | [ ]  |
| 11. | Is the minimum embankment top width 5’?  | [ ]  | [ ]  | [ ]  |
| 12. | Is the maximum embankment side slopes 2H:1V?  | [ ]  | [ ]  | [ ]  |
| 13. | Is the minimum freeboard above max design water level 12”?  | [ ]  | [ ]  | [ ]  |
| 14. | Is fill material for the embankment free of roots, woody material, large rocks, etc.?  | [ ]  | [ ]  | [ ]  |
| 15. | Are embankments vegetated/stabilized/lined?  | [ ]  | [ ]  | [ ]  |
| 16. | Are embankments, spillways, and outlets free of erosion, piping, and settlement?  | [ ]  | [ ]  | [ ]  |
| 17. | Was accumulated sediment and disturbed areas stabilized before conversion to permanent stormwater facility?  | [ ]  | [ ]  | [ ]  |
| 18. | Are any clogged or damaged spillways repaired immediately?  | [ ]  | [ ]  | [ ]  |
| 19. | When applicable, is displaced riprap replaced immediately?  | [ ]  | [ ]  | [ ]  |
| 20. | Is there a cleanout stake placed near center of ST?  | [ ]  | [ ]  | [ ]  |
| 21. | Is sediment cleaned out when sediment reaches cleanout level on stake?  | [ ]  | [ ]  | [ ]  |

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| **OUTLET PROTECTION** |
| ***Riprap Apron***  | **YES** | **NO** | **N/A** |
| 1. | Is the riprap apron installed on level ground with a geotextile underlayment?  | [ ]  | [ ]  | [ ]  |
| 2. | Does the discharge enter receiving channel at less than 90-degrees to the channel flow direction?  | [ ]  | [ ]  | [ ]  |
| 3. | Is displaced riprap replaced immediately?  | [ ]  | [ ]  | [ ]  |
| 4. | Is there evidence of accelerated erosion?  | [ ]  | [ ]  | [ ]  |
|  |
| ***Flow Transition Mat*** | **YES** | **NO** | **N/A** |
| 1. | Is the mat placed at the pipe outlet?  | [ ]  | [ ]  | [ ]  |
| 2. | Is the mat in contact with the pipe?  | [ ]  | [ ]  | [ ]  |
| 3. | Is the mat centered laterally?  | [ ]  | [ ]  | [ ]  |
| 4. | Is the mat placed on a smooth surface?  | [ ]  | [ ]  | [ ]  |
| 5. | If uniform sod is not available, is turf reinforced matting being used as an underlayment?  | [ ]  | [ ]  | [ ]  |
| 6. | Are anchors present to hold mat in place?  | [ ]  | [ ]  | [ ]  |
| 7. | Are sandbags present where needed to direct flow?  | [ ]  | [ ]  | [ ]  |
| 8. | For permanent installations, are sandbags replaced with concrete or rock?  | [ ]  | [ ]  | [ ]  |
|  |
| ***Energy Dissipators*** | **YES** | **NO** | **N/A** |
| 1. | Are energy dissipators installed and functional prior to directing discharges to that location?  | [ ]  | [ ]  | [ ]  |
|  |
| ***Earthen Level Spreader (ELS)*** | **YES** | **NO** | **N/A** |
| 1. | Is the ELS located below sediment traps, basins, or pipes?  | [ ]  | [ ]  | [ ]  |
| 2. | Is the drainage area less than an acre to the ELS?  | [ ]  | [ ]  | [ ]  |
| 3. | Is stormwater discharged from the ELS as sheet flow?  | [ ]  | [ ]  | [ ]  |
| 4. | Is the discharge to a stabilized area without causing erosion?  | [ ]  | [ ]  | [ ]  |
| 5. | Is there construction traffic over the ELS?  | [ ]  | [ ]  | [ ]  |
| 6. | Is the max distance from ELS to an existing or constructed drainage course 100’ with a 6% max slope?  | [ ]  | [ ]  | [ ]  |
| 7. | Is the ELS constructed on soil, not fill?  | [ ]  | [ ]  | [ ]  |
| 8. | Is the ELS constructed on 0% grade?  | [ ]  | [ ]  | [ ]  |
| ***Drop Structure*** | **YES** | **NO** | **N/A** |
| 1. | Is the depth of manhole at least 2 times the inflow pipe diameter?  | [ ]  | [ ]  | [ ]  |
| 2. | Is the outlet pipe diameter larger than inflow unless an alternative is approved? | [ ]  | [ ]  | [ ]  |
| 3. | Are seals watertight? | [ ]  | [ ]  | [ ]  |

| **STABILIZATION** |
| --- |
|  |
| ***General***  | **YES** | **NO** | **N/A** |
| 1. | Have all disturbed areas at final grade been stabilized?  | [ ]  | [ ]  | [ ]  |
| 2. | After cessation of work for 4 or more days, have disturbed areas been temporarily stabilized?  | [ ]  | [ ]  | [ ]  |
|  |
| ***Surface Roughening*** | **YES** | **NO** | **N/A** |
| 1. | Was surface roughening used on slope of 3H:1V or steeper unless there is a stable rock face?  | [ ]  | [ ]  | [ ]  |
|  |
| ***Vegetative Stabilization*** | **YES** | **NO** | **N/A** |
| 1. | Have areas that will be subject to earth moving within 12 months been stabilized with permanent seed mixtures?  | [ ]  | [ ]  | [ ]  |
| 2. | If final grade is achieved in non-growing season, was the area mulched until beginning of next growing season?  | [ ]  | [ ]  | [ ]  |
| 3. | Is there at least 70% uniform vegetative cover of erosion resistant perennial species unless an alternative method is used?  | [ ]  | [ ]  | [ ]  |
| 4. | Are erodible areas or areas within 50’ of stream or wetland blanketed?  | [ ]  | [ ]  | [ ]  |
| 5. | Are temporary E&S BMPs in place until permanent stabilization is achieved?  | [ ]  | [ ]  | [ ]  |
|  |
| ***Topsoil Application*** | **YES** | **NO** | **N/A** |
| 1. | Has topsoil been applied during frozen or muddy conditions?  | [ ]  | [ ]  | [ ]  |
| 2. | Were graded areas scarified or loosened to a depth of 3-5 inches to permit bonding of the topsoil?  | [ ]  | [ ]  | [ ]  |
| 3. | Was topsoil applied and amendments added before seeding began?  | [ ]  | [ ]  | [ ]  |
| 4. | Is topsoil uniformly distributed at a depth of 4-8 inches?  | [ ]  | [ ]  | [ ]  |
|  |
| ***Seeding*** | **YES** | **NO** | **N/A** |
| 1. | Are fill slopes seeded and mulched at regular vertical increments not to exceed 15-25 ft as the fill is being constructed?  | [ ]  | [ ]  | [ ]  |
| 2. | Hydroseeding application: Was seed applied first and then mulch added on top?  | [ ]  | [ ]  | [ ]  |
| 3. | If Hydroseeding slopes, was the appropriate rate used?  | [ ]  | [ ]  | [ ]  |
| 4. | Was a protective blanket used for areas within 50 ft of streams, ponds, wetlands, etc.?  | [ ]  | [ ]  | [ ]  |
| 5. | Are vehicles being driven on areas to be seeded?  | [ ]  | [ ]  | [ ]  |

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| **STABILIZATION** |
| ***Mulching*** | **YES** | **NO** | **N/A** |
| 1. | Have all seeded areas been mulched or blanketed?  | [ ]  | [ ]  | [ ]  |
| 2. | Was straw and hay mulch anchored or tackified immediately after application?  | [ ]  | [ ]  | [ ]  |
| 3. | Is mulch on slopes 8% or greater held in place with netting?  | [ ]  | [ ]  | [ ]  |
| 4. | Was the mulch applied at 3 tons/acre?  | [ ]  | [ ]  | [ ]  |
| 5. | Was mulch added on all slopes 3H:1V or steeper?  | [ ]  | [ ]  | [ ]  |
|  |
| ***Erosion Control Blankets (ECBs)*** | **YES** | **NO** | **N/A** |
| 1. | Are ECBs used on all slopes 3H:1V or steeper?  | [ ]  | [ ]  | [ ]  |
| 2. | Are ECBs used when there is a potential of sediment pollution to a surface water?  | [ ]  | [ ]  | [ ]  |
| 3. | Are rolled blankets applied to a smooth uniform surface?  | [ ]  | [ ]  | [ ]  |
| 4. | Is there continuous contact between blanket and soil?  | [ ]  | [ ]  | [ ]  |
| 5. | Is there an anchor trench at top and toe of slope?  | [ ]  | [ ]  | [ ]  |
| 6. | Are damaged or displaced blankets repaired/replaced within 4 calendar days?  | [ ]  | [ ]  | [ ]  |
| 7. | Regardless of slope, are ECBs used on all seeded areas within: |
|  | 50 ft of a non-special protection surface water?  | [ ]  | [ ]  | [ ]  |
|  | 100 ft of a special protection water? | [ ]  | [ ]  | [ ]  |
| 8. | Were seeds and soil amendments applied in accordance with the rates in the plan drawings prior to blanket installation?  | [ ]  | [ ]  | [ ]  |
| 9. | Has blanket been staked or stapled to maintain contact with soil?  | [ ]  | [ ]  | [ ]  |
| 10. | Is the correct ECB being used per plan? | [ ]  | [ ]  | [ ]  |
|  |
| ***Hydraulically Applied Blankets (HABs)*** | **YES** | **NO** | **N/A** |
| 1. | Are HABs used in areas of concentrated flow?  | [ ]  | [ ]  | [ ]  |
| 2. | Was Bonded Fiber Matrix (BFM) applied within 48 hours of precipitation?  | [ ]  | [ ]  | [ ]  |
| 3. | Was BFM applied between September 30th and April 1st?  | [ ]  | [ ]  | [ ]  |
| 4. | Was the HAB applied in 2 stages unless manufacturer specifications say otherwise?  | [ ]  | [ ]  | [ ]  |
| ***Sodding*** | **YES** | **NO** | **N/A** |
| 1. | Was sod watered sufficiently? | [ ]  | [ ]  | [ ]  |
| 2. | Was topsoil applied prior to sod placement? | [ ]  | [ ]  | [ ]  |
| 3. | Was the sod laid in staggered pattern? | [ ]  | [ ]  | [ ]  |
| 4. | Are ends butted tightly together? | [ ]  | [ ]  | [ ]  |
| 5. | Is the sod pegged or stapled if applied on a slope? | [ ]  | [ ]  | [ ]  |
| 6. | Was the sod rolled or tamped to ensure good soil contact? | [ ]  | [ ]  | [ ]  |

| **LINEAR PROJECTS** |
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|  |
| ***General***  | **YES** | **NO** | **N/A** |
| 1. | Will earth disturbance be at least 5 acres (oil and gas activities) or 1 acre (other activities) during the life of the project? | [ ]  | [ ]  | [ ]  |
| a. | Is Yes, was a permit obtained? | [ ]  | [ ]  | [ ]  |
| 2. | Are only areas that can be stabilized in 1 day disturbed unless otherwise approved? | [ ]  | [ ]  | [ ]  |
| 3. | Are trench plugs used to prevent draining or changes to the hydrology of streams or wetlands? | [ ]  | [ ]  | [ ]  |
|  |
| ***Roadway Crossings*** | **YES** | **NO** | **N/A** |
| 1. | Is upslope runoff diverted around work area? | [ ]  | [ ]  | [ ]  |
| 2. | Are sediment barriers downslope of work area? | [ ]  | [ ]  | [ ]  |
| 3. | Are storm inlets protected? | [ ]  | [ ]  | [ ]  |
|  |
| ***Horizontal Directional Drilling (HDD)*** | **YES** | **NO** | **N/A** |
| 1. | Is drilling mud managed through sediment removal BMPs? | [ ]  | [ ]  | [ ]  |
| a. | If No, is material captured and disposed of properly? | [ ]  | [ ]  | [ ]  |
| 2. | Are stockpiles placed outside of stream floodway and/or greater than 10 ft from wetland? | [ ]  | [ ]  | [ ]  |
| 3. | Is there a sediment barrier between stockpiles and stream or wetland? | [ ]  | [ ]  | [ ]  |
| 4. | Are E&S controls installed at entrance and exit areas as well as temporary staging areas? | [ ]  | [ ]  | [ ]  |
| 5. | Have precautions been taken to prevent inadvertent returns? | [ ]  | [ ]  | [ ]  |
| 6. | Is there an inadvertent return response plan?  | [ ]  | [ ]  | [ ]  |
| 7. | Is equipment and materials needed to respond to inadvertent returns readily available? | [ ]  | [ ]  | [ ]  |
|  |
| ***Other Stream Crossings*** | **YES** | **NO** | **N/A** |
| 1. | Are streams diverted around work area, i.e., pumped, flumed, coffer dam, etc.? | [ ]  | [ ]  | [ ]  |

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| **LINEAR PROJECTS** |
|  |
| ***Other Stream Crossings*** | **YES** | **NO** | **N/A** |
| 2. | Have projects been completed (trenching, backfilling, stabilization) in the following timeframes: |
| a. | Stream channel with a bottom width of 10 ft or less completed within 24 hours? | [ ]  | [ ]  | [ ]  |
| b. | Stream channel with a bottom width of 10-100 ft completed in 48 hours or as otherwise approved? | [ ]  | [ ]  | [ ]  |
| 3. | Is grubbing taking place within 50 ft of top of bank before all materials required are on-site and installation is ready? | [ ]  | [ ]  | [ ]  |
| 4. | Is hazardous materials or pollutant storage areas at least 100 ft from top of bank? | [ ]  | [ ]  | [ ]  |
| 5. | Are disturbed areas within 50 ft top of bank blanketed or matted within: |
| a. | 24 hrs for minor streams? | [ ]  | [ ]  | [ ]  |
| b. | 48 hrs for major streams? | [ ]  | [ ]  | [ ]  |
|  |
| ***Wetland Crossings*** | **YES** | **NO** | **N/A** |
| 1. | Are staging areas at least 50 ft from wetland? | [ ]  | [ ]  | [ ]  |
| 2. | Is vehicle crossing minimized? | [ ]  | [ ]  | [ ]  |
| 3. | Are temporary pads and mats used for vehicular crossing? | [ ]  | [ ]  | [ ]  |
| 4. | Are lime and fertilizers applied to back filled areas? | [ ]  | [ ]  | [ ]  |

| **TIMBER HARVESTING** |
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|  |
| ***General***  | **YES** | **NO** | **N/A** |
| 1. | Has a permit been obtained if the harvesting is for construction purposes and ED will be equal to or greater than 1 acre? | [ ]  | [ ]  | [ ]  |
| 2. | Has a permit been obtained if the harvesting is not for construction purposes and ED will be at least 25 acres? | [ ]  | [ ]  | [ ]  |
| 3. | Has an E&S Plan been prepared, is being maintained on-site, and is being implemented? | [ ]  | [ ]  | [ ]  |
| 4. | Has harvesting been proposed in wetlands or within 50 feet of a stream (which may require a Chapter 105 permit)? | [ ]  | [ ]  | [ ]  |
|  |
| ***Haul Roads*** | **YES** | **NO** | **N/A** |
| 1. | Have all roads been planned and developed as if they will be permanent? | [ ]  | [ ]  | [ ]  |
| 2. | Is clearing minimized? | [ ]  | [ ]  | [ ]  |
| 3. | Has entry been restricted via an entry gate or barricade? | [ ]  | [ ]  | [ ]  |
| 4. | Are contours followed as much as possible? | [ ]  | [ ]  | [ ]  |
| 5. | Have steep slopes been avoided? | [ ]  | [ ]  | [ ]  |
| 6. | Do roads drain at all times? | [ ]  | [ ]  | [ ]  |
| 7. | Are ditch relief culverts installed at regular intervals? | [ ]  | [ ]  | [ ]  |
| 8. | Is outlet protection installed at culvert outfalls? | [ ]  | [ ]  | [ ]  |
| 9. | Are cut and fill slopes mulched and seeded promptly? | [ ]  | [ ]  | [ ]  |
| 10. | Do haul roads cross stream channels at 90-degree angle and at gentle slope? | [ ]  | [ ]  | [ ]  |
| 11. | Are stream crossings being avoided and minimized? | [ ]  | [ ]  | [ ]  |
| 12. | Are there existing Chapter 105 permits for stream and wetland impacts? | [ ]  | [ ]  | [ ]  |
| 13. | Are buffer areas maintained along stream corridors/wetlands? | [ ]  | [ ]  | [ ]  |
| 14. | Are old roads used when possible? | [ ]  | [ ]  | [ ]  |
| 15. | Are water bars being maintained? | [ ]  | [ ]  | [ ]  |

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| **TIMBER HARVESTING** |
| ***Skid Rows and Skid Trails*** | **YES** | **NO** | **N/A** |
| 1. | Are skid rows flagged, cleared, graded? | [ ]  | [ ]  | [ ]  |
| 2. | Are skid trails minimally cleared? | [ ]  | [ ]  | [ ]  |
| 3. | Are grades as low as topography will permit? | [ ]  | [ ]  | [ ]  |
| 4. | Have streams, wetlands, rocky slopes, and steep grades avoided? | [ ]  | [ ]  | [ ]  |
| 5. | Are waterbars used to avoid going straight up and down slopes? | [ ]  | [ ]  | [ ]  |
| 6. | Are temporary bridges or culverts used for stream crossings? *(Note a Chapter 105 permit may be required)* | [ ]  | [ ]  | [ ]  |
| 7. | Are waterbars and culverts being maintained? | [ ]  | [ ]  | [ ]  |
|  |
| ***Log Landings*** | **YES** | **NO** | **N/A** |
| 1. | Has the number of landings been minimized? | [ ]  | [ ]  | [ ]  |
| 2. | Is there an adequate buffer strip remaining between landing and streams or sensitive areas?  | [ ]  | [ ]  | [ ]  |
| 3. | Are there sediment barriers downslope of disturbed areas?  | [ ]  | [ ]  | [ ]  |
| 4. | Diversion Channels: | [ ]  | [ ]  | [ ]  |
| a. | Are diversion channels used when possible, to keep upslope runoff from entering landing area?  | [ ]  | [ ]  | [ ]  |
| b. | Is the area sloped to direct water to sediment removal BMPs? | [ ]  | [ ]  | [ ]  |
| c. | Do roads, trails, etc. leading to landing have a means of diverting flow to stable area? | [ ]  | [ ]  | [ ]  |
| d. | Does the diversion channel have a protective liner? | [ ]  | [ ]  | [ ]  |
| e. | Does the diversion channel discharge to a waterway or stable area?  | [ ]  | [ ]  | [ ]  |
| 5. | When harvesting is complete have all roads and landings been regraded? | [ ]  | [ ]  | [ ]  |
| 6. | When harvesting is complete have temporary crossing and E&S BMPs been removed?  | [ ]  | [ ]  | [ ]  |
| 7. | When harvesting is complete have disturbed areas been permanently stabilized?  | [ ]  | [ ]  | [ ]  |