|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **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? |  |  |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| .**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? |  |  |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **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** | | | | | | |
| --- | --- | --- | --- | --- | --- | --- |
|  | | | | | | |
| ***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.? | |  |  |  |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **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** | | | | |
| --- | --- | --- | --- | --- |
|  | | | | |
| ***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? |  |  |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **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? | | |  |  |  |