**ITEM # 18 – SOIL STABILIZATION**

| **ITEM #18 SOIL STABILIZATION / EROSION CONTROL** | |
| --- | --- |
| Per 14 CCR 923.5, 943.5, 963.5 – Erosion Control for Logging Roads and Landings [All Districts] – All logging road and landing surfaces shall be adequately drained, through the use of logging road and landing surface shaping in combination with the installation of drainage structures or facilities and shall be hydrologically disconnected from watercourses and lakes to the extent feasible.  Per 14 CCR 914, 934, 954 – Harvesting practice and erosion control [All Districts] – Timber operations shall be conducted to: Meet the goal… to prevent degradation of the quality and beneficial uses of water and maintain site productivity by minimizing soil loss  Guidance on methods for hydrologic disconnection may be found in “Board of Forestry Technical Rule Addendum Number 5: Guidance on Hydrologic Disconnection, Road Drainage, Minimization of Diversion Potential, and High Risk Crossings” (1st Edition, revised 10/27/14)  14 CCR 923.5, 943.5, 963.5(b), (c), (d), (e), (f), (g), (h), (j), (k), (p) contain standard Forest Practice Operational rules pertaining to the timing and specifics for the installation of erosion control structures for Roads and Landings.  14 CCR 914.6, 934.6, 954.6(a) (1-2), (b), (c), (d), (e), (f), (g), additional Coast areas (h), (i) contain standard Forest Practice Operational rules pertaining to the timing and specifics for the installation of erosion control structures for harvesting practices, tractor and cable operations.  **THE LTO SHALL BE FAMILIAR WITH THESE STANDARD OPERATIONAL REQUIREMENTS**, **PRIOR TO OPERATIONS.** | |
| 1. []Yes [] No | Are there any exceptions proposed to the above listed standard operational requirements?  **If YES, please provide the specific operational instruction to the LTO.** |
| [] | Methods of stabilization to be used: (check all that apply)  STRAW Mulch  Depth (inches):\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Percent coverage:\_\_\_\_\_\_\_ |
| [] | SLASH Mulch  [] Scattered Depth (inches):\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Percent coverage:\_\_\_\_\_\_\_  [] Packed Depth (inches):\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Percent coverage\_\_\_\_\_\_\_\_ |
| [] | Grass Seeding  LTO Instructions: |
| [] | Rock Armoring  Size:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Installation instructions |
| [] | Replanting  LTO instructions if needed |
| [] | Installation of commercial erosion devices  Describe commercial devise and provide instructions to the LTO: |
| [] | Other  Describe method and provide LTO instructions: |

| Per 14 CCR 914.9[934.9, 954.9] the RPF may develop on a site-specific basis alternative practices that will achieve environmental protection at least equal to the standards set forth in 914.1-914.8 [934.1-934.8, 954.1-954.8] | |
| --- | --- |
| 1. []Yes [] No | Are there any alternative practices to the standard harvesting or erosion control rules proposed?  **If YES, the information as required per 914.9 [934.9, 954.9] and 1090.5(dd) shall be provided in SECTION III. Provide instructions to the LTO in SECTION II.** |

| Forest Practice Rules (FPR) require Specific Erosion Control / Soil Stabilization measures to be addressed within the proposed NTMP addressing Roads and landings & watercourse crossings on logging roads (for all Districts). Please address the following table and the specific rule. If not applicable to NTMP so state. | | | | |
| --- | --- | --- | --- | --- |
| **All WATERSHEDS**  **Logging roads / Landings** | **N/A** | **Description of Treatments** | **Protection Measures** | **Timing** |
| 1. **923.5[943.5, 963.5](i):** treatments to prevent significant discharge where features cannot be hydrologically disconnected. |  |  |  |  |
| 1. **923.5[943.5, 963.5](l) & (m):**   treatments for sidecast or fill; cuts and fills associated w/ approaches to watercourse crossings; bare areas w/in WLPZ. |  |  |  |  |
| 1. **923.5[943.5,963.5](n):**   When the natural ability of ground cover in WLPZ is inadequate to filter sediment. |  |  |  |  |
| 1. **923.5[943.5,963.5](o):**   Exceptions to soil stabilization treatment timing. |  |  |  |  |
| **Watercourse crossings on logging roads** |  |  |  |  |
| 1. **923.9[943.9,963.9] (t)(1)-(3)**:   Bare soil on fills, sidecast, timing of treatment. |  |  |  |  |

| Forest Practice Rules (FPR) require Specific Erosion Control / Soil Stabilization measures to be addressed within the proposed NTMP addressing. WLPZ & Protected ELZ & EEZs within a Non ASP and exempt ASP watersheds. Please address the following table and the specific rule. If not applicable to NTMP so state. | | | | |
| --- | --- | --- | --- | --- |
| **Non ASP & Exempt ASP watersheds**  **WLPZ & Protected ELZ & EEZ** | **N/A** | **Description of Treatments** | **Protection Measures** | **Timing** |
| 1. **916.7[936.7,956.7]**   Stabilization measures for WLPZ of CI & C II. |  |  |  |  |

| Forest Practice Rules (FPR) require Specific Erosion Control / Soil Stabilization measures to be addressed within the proposed NTMP addressing WLPZ & Protected ELZ & EEZ, Roads and Landings and Watercourse Crossings, within an ASP Watershed or Immediately upstream of an ASP Watershed. Please address the following table and the specific rule. If not applicable to NTMP so state. | | | | |
| --- | --- | --- | --- | --- |
| **ASP WATERSHEDS**  **Logging roads / Landings** | **N/A** | **Description of Treatments** | **Protection Measures** | **Timing** |
| 1. **916.9[936.9,956.9](n)(1)-(7):**   WLPZ, & protected ELZ & EEZs. |  |  |  |  |
| 1. **923.5[943.5,963.5](q)(3)**:   as it pertains to roads, landings, etc. |  |  |  |  |
| 1. **923.9[943.9,963.9](t)(4):**   as it pertains to watercourse crossings. |  |  |  |  |