

GENERAL SEEDING AND SURFACE STABILIZATION CRITERIA:

- 1. DISTURBED AREAS ON WHICH ACTIVITIES HAVE CEASED MUST BE STABILIZED IMMEDIATELY.
2. DISTURBED AREAS WHICH ARE NOT FINISHED GRADE AND WILL BE REDISTURBED WITHIN 1 YEAR MAY BE SEEDED AND MULCHED WITH A TEMPORARY VEGETATIVE SURFACE STABILIZATION AS DESCRIBED BELOW.
3. DISTURBED AREAS WHICH ARE EITHER AT FINISHED GRADE OR WILL NOT BE REDISTURBED WITHIN ONE YEAR MUST BE SEEDED AND MULCHED WITH A PERMANENT VEGETATIVE SURFACE STABILIZATION AS DESCRIBED BELOW.
4. CHANNELS OF CONVEYANCE, SEDIMENT BASINS AND SEDIMENT TRAPS MUST BE SEEDED AND MULCHED IMMEDIATELY AS SPECIFIED UNDER PERMANENT VEGETATIVE SURFACE STABILIZATION.

TEMPORARY AND PERMANENT VEGETATIVE SURFACE STABILIZATION:

THE FOLLOWING ACTIVITIES SHALL BE UNDERTAKEN TO ACHIEVE TEMPORARY AND/OR PERMANENT STABILIZATION OF ALL EXPOSED AND DISTURBED SOIL AREAS AS REQUIRED OR DIRECTED.

- 1. TILLING: UPON SUSPENSION OF GRADING ACTIVITIES IN DISTURBED AREAS, SURFACE SOIL SHALL BE TILLED AND LOOSED. TILLING MAY BE OMITTED IF SOIL IS SUFFICIENTLY LOOSE TO PERMIT SEEDING ACTIVITIES.
2. LIME APPLICATION:
TEMPORARY STABILIZATION: GROUND LIMESTONE SHALL BE APPLIED TO THE LOOSENEED SOIL AT A UNIFORM RATE OF 46 POUNDS PER 1000 SQUARE FEET. THIS RATE IS IN POUNDS OF AGRICULTURAL GRADE LIMESTONE PER 1000 SQUARE FEET.
PERMANENT STABILIZATION: GROUND LIMESTONE SHALL BE APPLIED TO THE LOOSENEED SOIL AT A UNIFORM RATE OF 184 POUNDS PER 1000 SQUARE FEET.
3. FERTILIZER APPLICATION:
TEMPORARY STABILIZATION: 5-5-5 FERTILIZER SHALL BE APPLIED TO THE LOOSENEED SOIL AT A UNIFORM RATE OF 5 POUNDS PER 1000 SQUARE FEET.
PERMANENT STABILIZATION: FERTILIZER SHALL BE APPLIED TO THE LOOSENEED SOIL AT THE RATE ESTABLISHED BY SOIL TESTING, AS REQUIRED TO ACCOMMODATE PROPER GROWTH OF THE SEED MIXTURE.
4. BASE FERTILIZER / LIME APPLICATION MIXING (PERMANENT STABILIZATION ONLY): GROUND LIMESTONE AND FERTILIZER SHALL BE MIXED WITH THE SOIL TO A DEPTH OF FOUR INCHES THROUGH USE OF SUITABLE EQUIPMENT.
5. SEEDING
SEED SHALL NOT BE MORE THAN TWO (2) YEARS OLD. GERMINATION TESTS OF SEEDS SHALL BE MADE NOT MORE THAN SIX (6) MONTHS PRIOR TO SEEDING.
- THE CONTRACTOR SHALL BE RESPONSIBLE TO PRODUCE A STAND OF GRASS IN ALL SEEDED OR SODDED AREAS.
TEMPORARY STABILIZATION: THE FOLLOWING SEED MIXTURE SHALL BE APPLIED TO THE PREPARED SOIL SURFACE BY BROADCAST SPREADERS OR HYDRAULIC APPLICATION ACCORDING TO THE FOLLOWING RATES:
PERMANENT STABILIZATION: THE FOLLOWING SEED MIXTURE SHALL BE APPLIED TO THE PREPARED SOIL SURFACE BY BROADCAST SPREADERS OR HYDRAULIC APPLICATION ACCORDING TO THE FOLLOWING RATES:
6. MULCHING: CLEAN OAT OR WHEAT STRAW, BEING FREE FROM MATURE SEED, SHALL BE APPLIED AT A RATE OF 3 TONS/ACRE.

STABILIZATION DURING NON-GERMINATION PERIODS:

DURING NON-GERMINATION PERIODS, MULCH MUST BE APPLIED TO DISTURBED AREAS AT A RATE OF 3 TONS/ACRE. THE NON-GERMINATION PERIOD SHALL BE DETERMINED BASED ON CURRENT WEATHER CONDITIONS: IT IS GENERALLY THE PERIOD FROM OCTOBER 15 TO MARCH 15.

CRITICAL VEGETATIVE AREA SURFACE STABILIZATION (SLOPES 3H:1V OR STEEPER):

- AFTER EMBANKMENT SLOPES HAVE BEEN COMPACTED AND CUT SLOPES FINISH GRADED, THE AREA SHALL BE TOP DRESSED WITH A MINIMUM 4" OF TOPSOIL.
1. CRITICAL AREA PERMANENT SEEDING - A MIXTURE OF PERENNIAL RYEGRASS (40%), CROWN VETCH (20%) AND SPREADING FESCUE (40%) SHALL BE APPLIED AT A MINIMUM RATE OF TWO POUNDS PER 1,000 SQUARE FEET FROM MARCH 15 TO OCTOBER 15 OF A GIVEN CALENDAR YEAR.
2. AFTER SEEDING APPLICATION HAS BEEN COMPLETED, NORTH AMERICAN GREEN (NAG) EROSION CONTROL BLANKET SC-150 SHALL BE INSTALLED USING STAPLE PATTERN C.

CRITICAL STAGES FOR BMP INSTALLATIONS:

- THE DESIGN PROFESSIONAL OR THEIR DESIGNEE SHALL BE PRESENT FOR THE FOLLOWING CRITICAL STAGES OF THE BMP INSTALLATIONS:
1. BASIN FOREBAY: FACILITY BOTTOM EXCAVATION AND INSTALLATION OF THE SOIL AMENDMENT.
2. DETENTION BASIN: OUTLET STRUCTURE INSTALLATION.
3. EARTHEN LEVEL SPREADER: FACILITY EXCAVATION AND FINAL GRADING.

MAINTENANCE OF E&S CONTROL FACILITIES:

- 1. ALL SEDIMENT AND EROSION CONTROL FACILITIES SHALL BE MAINTAINED IN OPERATING CONDITION UNTIL UPSTREAM AREAS ARE STABILIZED.
2. ALL SEDIMENT BASINS SHALL BE STRUCTURALLY SOUND AND PROTECTED FROM UNAUTHORIZED ACTS OF THIRD PARTIES.
3. MAINTENANCE OF ALL STORMWATER AND EROSION AND SEDIMENTATION CONTROL FACILITIES SHALL COMMENCE IMMEDIATELY AFTER CONSTRUCTION BEGINS.
4. ACCUMULATED SEDIMENT DEPOSITS SHALL BE REGULARLY REMOVED IN ORDER TO MAINTAIN PROPER PERFORMANCE.
5. THE CONTRACTOR SHALL CONDUCT REGULAR INSPECTIONS OF THE SILT FENCING, DRAINAGE SWALES, SLOPES, CONSTRUCTION ENTRANCES, SEDIMENT BASINS/TRAPS, AND GENERALLY THE ENTIRE CONSTRUCTION AREA IN ORDER TO DETECT AND CORRECT ANY EROSION PROBLEMS.
6. ALL DOWNSPOUTS AND OVERFLOW PIPES SHOULD BE KEPT IN GOOD WORKING ORDER.
7. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY DURING CONSTRUCTION TO PREVENT SOIL FROM POLLUTING NEIGHBORING PROPERTIES, PUBLIC STREETS, AND/OR STORMWATER CONVEYANCE FACILITIES.
8. UPON REMOVAL OF THE TEMPORARY EROSION AND SEDIMENTATION CONTROL MEASURES, IT SHALL BE THE PROPERTY OWNER'S RESPONSIBILITY TO ENSURE THAT THE PERMANENT STORMWATER FACILITIES ARE MAINTAINED IN THEIR DESIGN CONDITION.
9. SPECIFIC MAINTENANCE REQUIREMENTS FOR THE RESPECTIVE FACILITIES ARE AS FOLLOWS:
A. SWALES/DIVERSION BERMS
B. MULCHING
C. SILT FENCING / COMPOST FILTER SOCKS
D. STABILIZED CONSTRUCTION ENTRANCE
E. TOPSOIL STOCKPILES
F. INLET PROTECTIONS
G. SEDIMENT BASINS AND SEDIMENT TRAPS
H. ROCK FILTERS
I. SEDIMENT REMOVED FROM E&S CONTROLS & FACILITIES SHALL BE DISPOSED OF IN LANDSCAPED AREAS OUTSIDE OF STEEP SLOPES, WETLANDS, FLOODPLAINS OR DRAINAGE SWALES AND IMMEDIATELY STABILIZED, OR PLACED IN TOPSOIL STOCKPILES.

NPDES PERMIT REQUIREMENTS:

- 1. MONITORING AND REPORTING REQUIREMENTS
A. VISUAL INSPECTIONS
B. NON-COMPLIANCE REPORTING
C. SUPPLEMENTAL MONITORING
2. RECORD KEEPING
A. RETENTION OF RECORDS
B. REPORTING OF MONITORING REPORTS
3. DISCHARGES CONSISTENT WITH TERMS AND CONDITIONS OF THE PERMIT
A. ALL DISCHARGES AUTHORIZED BY THIS NPDES PERMIT SHALL BE CONSISTENT WITH THE TERMS AND CONDITIONS OF THE PERMIT.
4. MANAGEMENT REQUIREMENTS
A. SIGNATORY REQUIREMENTS
5. TRANSFEREE/CO-PERMITTEE
6. PREPAREDNESS, PREVENTION, AND CONTINGENCY PLANS

POST CONSTRUCTION STORMWATER MANAGEMENT (PCSM) STANDARD NOTES:

- 1. PCSM REQUIREMENTS
A. A LICENSED PROFESSIONAL OR A DESIGNEE SHALL BE PRESENT ONSITE AND BE RESPONSIBLE DURING CRITICAL STAGES OF IMPLEMENTATION OF THE APPROVED PCSM PLAN.
B. THE PCSM PLAN, INSPECTION REPORTS, AND MONITORING RECORDS SHALL BE AVAILABLE FOR REVIEW AND INSPECTION BY THE DEPARTMENT OR THE CONSERVATION DISTRICT.
2. PCSM LONG TERM OPERATIONS AND MAINTENANCE REQUIREMENTS
A. THE PERMITTEE OR CO-PERMITTEE SHALL BE RESPONSIBLE FOR LONG-TERM OPERATION AND MAINTENANCE OF PCSM BMP'S UNLESS A DIFFERENT PERSON IS IDENTIFIED IN THE NOTICE OF TERMINATION AND HAS AGREED TO LONG-TERM OPERATION AND MAINTENANCE OF PCSM BMP'S.
B. THE NOTICE OF TERMINATION MUST INCLUDE:
(1) THE FACILITY NAME, ADDRESS AND LOCATION
(2) THE OPERATOR NAME AND ADDRESS
(3) THE NPDES PERMIT NUMBER
(4) THE REASON FOR PERMIT TERMINATION
(5) IDENTIFICATION OF THE PERSONS WHO HAVE AGREED TO AND WILL BE RESPONSIBLE FOR LONG-TERM OPERATION AND MAINTENANCE OF THE PCSM
(6) COPY OF LEGAL INSTRUMENT.
(7) FINAL CERTIFICATION:
1. THE PERMITTEE SHALL RETAIN A COPY OF THE RECORD DRAWINGS AS A PART OF THE APPROVED PCSM PLAN.
2. THE PERMITTEE SHALL PROVIDE A COPY OF THE RECORD DRAWINGS AS PART OF THE APPROVED PCSM PLAN TO THE PERSON IDENTIFIED IN THIS SECTION AS BEING RESPONSIBLE FOR THE LONG-TERM OPERATION AND MAINTENANCE OF THE PCSM BMP'S.

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Table with 4 columns: NO, BY, DATE, COMMENTS. Row 1: 1, DWP, 3-10-14, PER DEP.

OWNER:
ELI K. STOLTZFUS
370 REWELL ROAD
NEW HOLLAND, PA 17575

E&S CONTROL PLAN
FOR
ELI K. STOLTZFUS

NOTES
SCALE: N.T.S.
Graphic scale bar showing 0 to 10 feet.

Table with 2 columns: DRAWN BY, CHECKED BY. Row 1: DWP, RAF. Row 2: DATE: JUNE 17, 2013. Row 3: PROJECT NO.: 13002-002.