# PART 3 – AGRICULTURAL EROSION AND SEDIMENT CONTROL PLAN

**AGRICULTURAL EROSION AND SEDIMENT CONTROL PLAN (AG E&S PLAN)**

## ADMINISTRATIVE COMPLETENESS REVIEW GUIDE

|  |  |
| --- | --- |
| **Operation Name** |  |
| **Location Address** |  |
| **A written Ag E&S Plan is required for agricultural plowing and tilling activities (including no‑till practices) and Animal Heavy Use Areas (AHUAs) that each disturb land totaling 5,000 square feet or more. The items listed below are required by 25 Pa. Code § 102.4(a) for a complete Ag E&S Plan, except for #1 and #2. Place a checkmark in the proper box to denote if that item is incorporated. Any “No” items for #3 – #9 are deficiencies that should be addressed with the operator/landowner.** |
| **1.** | Contact information for operator, landowner, and plan preparer (as applicable) | [ ] **Yes** [ ] **No** |
| **2.** | Date of plan development or update  | [ ] **Yes** [ ] **No**  |
| **3.** | Operation information, including: | * Acreage (for both owned and rented lands)
 | [ ] **Yes** [ ] **No**  |
| * Description
 | [ ] **Yes** [ ] **No**  |
| * Crop rotations
 | [ ] **Yes** [ ] **No** [ ] **N/A** |
| * Tillage and planting methods
 | [ ] **Yes** [ ] **No** [ ] **N/A** |
| * Soil information
 | [ ] **Yes** [ ] **No**  |
| **4.** | Map(s) for both owned and rented lands, including: | * Surface waters of this Commonwealth
 | [ ] **Yes** [ ] **No** [ ] **N/A** |
| * Drainage patterns (topography)
 | [ ] **Yes** [ ] **No** |
| * Field and property boundaries
 | [ ] **Yes** [ ] **No**  |
| * Buildings and farm structures
 | [ ] **Yes** [ ] **No**  |
| * AHUAs
 | [ ] **Yes** [ ] **No** [ ] **N/A** |
| * Roads and crossroads
 | [ ] **Yes** [ ] **No**  |
| * Structural Best Management Practices (BMPs), existing and proposed
 | [ ] **Yes** [ ] **No** [ ] **N/A** |
| * Soil types and boundaries (if not provided elsewhere)
 | [ ] **Yes** [ ] **No** [ ] **N/A** |
| **5.** | Plowing and tilling activities (cropland, hayland, and pastures):  | * Documentation that the soil loss will be limited to the soil loss tolerance (T) over the planned crop rotations
 | [ ] **Yes** [ ] **No** [ ] **N/A** |
| * BMPs with descriptions, acceptable implementation schedules, and Operation & Maintenance (O&M) criteria
 | [ ] **Yes** [ ] **No** [ ] **N/A** |
| **6.** | Plowing and tilling activities on fields < 25% plant or crop residue cover & within 100’ of a river or stream (perennial or intermittent): | * Additional BMPs, including descriptions, acceptable implementation schedules, and O&M criteria
 | [ ] **Yes** [ ] **No** [ ] **N/A** |
| **7.** | AHUAs:  | * Descriptions of the AHUAs (type, size, location, etc.)
 | [ ] **Yes** [ ] **No** [ ] **N/A** |
| * BMPs with descriptions, acceptable implementation schedules, and O&M criteria
 | [ ] **Yes** [ ] **No** [ ] **N/A** |
| **8.** | Plan is consistent with the operation’s current Nutrient Management Plan (NMP) or Manure Management Plan (MMP); see Note below | [ ] **Yes** [ ] **No** [ ] **N/A** |
| **9.** | Plan is consistent with both existing and proposed conditions and activities on the operation, including surface waters, drainage patterns, and field boundaries | [ ] **Yes** [ ] **No**  |

**Note: The Ag E&S Plan generally works together with the NMP or MMP required for operations that land apply manure and agricultural process wastewater. Certain sections of the Ag E&S Plan (e.g., maps) and MMP may be used, as applicable, to satisfy the requirements of both plans.**

**AG E&S PLAN TEMPLATE**

**SECTION 1: GENERAL INFORMATION**

**Agricultural Erosion & Sediment Control Plan**

|  |  |  |
| --- | --- | --- |
|  | Operation Name: |       |
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|  | Name of Operator/Landowner: |       |
|  |  |  |
|  | Operation Street Address: |       |
|  |  |  |
|  | City, State, Zip Code: |       |
|  |  |  |
|  | Phone Number (Home/Barn): |       |
|  |  |  |
|  |  (Cell):  |       |
|  |  |  |
|  | Email Address: |       |
|  |  |  |

Name of person preparing the Ag E&S Plan (if other than operator/owner)

|  |  |  |
| --- | --- | --- |
|  | Preparer Name: |       |
|  |  |  |
|  | Preparer Organization: |       |
|  |  |  |
|  | Street Address: |       |
|  |  |  |
|  | City, State, Zip Code: |       |
|  |  |  |
|  | Phone Number: |       |
|  |  |  |
|  | Email Address: |       |
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|  | **Date of Development:** |       |
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|  | **Date of Update(s):** |       |

**Note:** The operator and landowner shall have the Ag E&S Plan readily available for review and inspection.

**OPERATION INFORMATION**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **a)** | **Operation Acres:** |  | Total Owned |  |       |  | Total Rented |  |       |
|  |  |  | Cropland Owned |  |       |  | Cropland Rented |  |       |
|  |  |  | Pasture Owned |  |       |  | Pasture Rented |  |       |

|  |  |
| --- | --- |
| **b) Operation Description:** |  |

|  |  |
| --- | --- |
| **c) Crop Rotation(s) Used on the Operation** | **Tillage and Planting Method(s) for Crop Rotation(s)** |
|  |       |       |
|  |       |       |
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1. **Are there crop fields within 100 feet of a stream or river?** [ ]  Yes [ ]  No

If yes, complete Section 4.

1. **Animals: Are there animal heavy use areas on the farm?** [ ]  Yes [ ]  No

If yes, complete Section 5.

1. **Operation Map(s): Provided with all required information?** [ ]  Yes [ ]  No

Please insert to make a complete E&S plan.

1. **Soil Map and Information: Provided for entire operation?** [ ]  Yes [ ]  No

Please insert to make a complete E&S plan.

1. **Topographic Map: Provided for entire operation?** [ ]  Yes [ ]  No

Please insert to make a complete E&S plan.

**SECTION 2: SOIL LOSS**

|  |  |
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| **Major/Dominant Soil Types on Farm** | **T Value (tons soil loss/acre/year)** |
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| **SOIL LOSS CALCULATIONS** |
| *Predicted Average Annual Soil Loss Based on Planned Crop Rotation and Management:* |
| **Field** | **Rotation Year(s)** | **Management(s) – Crop Rotations and Tilling/Planting Methods** | **Predicted****Average Annual Soil Loss** | **Soil Type****T Value** |
|       |       |       |       |       |
|       |       |       |       |       |
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| **Method Used to Determine Predicted Soil Loss:** |       |

**Note:** Calculations/report printouts must be included for all methods used. If your report printouts list the information above, you do not need to duplicate the information on this chart. If Appendix B is used, note this above for that field(s)/rotation(s); the “Predicted Average Annual Soil Loss” column does not need to be completed and calculations are not necessary.

Please copy this page as needed to document additional soil types and/or crop rotations.

**SECTION 3: CROPLAND, HAYLAND, AND PASTURE BMPs**

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| --- |
| **Summary of BMPs** |
| **Field(s) #** | **BMP** | **Date Implemented(or Scheduled Date for Proposed BMP)** |
|       |       |       |
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**Note:** If any dates listed above are for proposed BMPs and they are not implemented by that scheduled date, the Ag E&S Plan will need to be updated with the correct implementation date.

Please copy this page as needed to document additional BMPs.

|  |  |
| --- | --- |
| **BMP:** |       |

**Description of BMP:**

**Operation & Maintenance Information:**

**Implementation Schedule:**

|  |  |  |
| --- | --- | --- |
| **Field #** | **Amount of BMP (acres, feet, number, etc., as applicable)** | **Date Implemented(or Scheduled Date for Proposed BMP)** |
|       |       |       |
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Please copy this page as needed to document additional BMPs.

**SECTION 4: FIELDS ALONG STREAMS AND RIVERS**

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| **Summary of BMPs** |
| **Field(s) #** | **BMP** | **Date Implemented(or Scheduled Date for Proposed BMP)** |
|       |       |       |
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**Note:** If any dates listed above are for proposed BMPs and they are not implemented by that scheduled date, the Ag E&S Plan will need to be updated with the correct implementation date.

Please copy this page as needed to document additional BMPs.

|  |  |
| --- | --- |
| **BMP:** |       |

**Description of BMP:**

**Operation & Maintenance Information:**

**Implementation Schedule:**

|  |  |  |
| --- | --- | --- |
| **Field #** | **Amount of BMP (acres, feet, number, etc., as applicable)** | **Date Implemented(or Scheduled Date for Proposed BMP)** |
|       |       |       |
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Please copy this page as needed to document additional BMPs.

**SECTION 5: ANIMAL HEAVY USE AREAS**

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| **Summary of BMPs** |
| **AHUA #** | **Location of AHUA** | **Description/Size** | **BMP** | **Date Implemented(or Scheduled Date for Proposed BMP)** |
|       |       |       |       |       |
|       |       |       |       |       |
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Operators/landowners with AHUAs requiring both the development and implementation of BMPs need to immediately contact their local county conservation district and/or a commercial planner and must document that contact and the time frame for developing and implementing those practices. If operators with AHUAs are interested in evaluating all resource concerns and are willing to implement one or more conservation practices to address those resource concerns, you should contact NRCS.

If applicable, list date contact was made to the assisting agency/party to help in these efforts:

If applicable, list who was contacted to assist in these efforts:

**Note:** If any dates listed above are for proposed BMPs and they are not implemented by that scheduled date, the Ag E&S Plan will need to be updated with the correct implementation date.

Please copy this page as needed to document additional BMPs.

|  |  |
| --- | --- |
| **BMP:** |       |

**Description of BMP:**

**Operation & Maintenance Information:**

**Implementation Schedule:**

|  |  |  |
| --- | --- | --- |
| **AHUA #** | **Amount of BMP (acres, feet, number, etc., as applicable)** | **Date Implemented(or Scheduled Date for Proposed BMP)** |
|       |       |       |
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**Note:** If any dates listed above are for proposed BMPs and they are not implemented by that scheduled date, the Ag E&S Plan will need to be updated with the correct implementation date.

Please copy this page as needed to document additional BMPs.