pennsylvania DEPARTMENT OF ENVIRONMENTAL PROTECTION

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGES OF STORMWATER ASSOCIATED WITH CONSTRUCTION ACTIVITIES ANTIDEGRADATION ANALYSIS MODULE 3

Applicant: **AAMPA Holdings, LLC** Project Site Name: **AAMPA Holdings - Ritner Hwy**

Surface Water Name: **Big Spring Creek** Surface Water Use: **HQ-CWF**

ANTIDEGRADATION – EROSION AND SEDIMENT CONTROL (E&S) PLAN

☐ A **Non-Discharge Alternative will be utilized** for the project that will either individually or collectively eliminate the net change in stormwater volume, rate, and quality for storm events up to and including the 2-year/24-hour storm during earth disturbance activities.

Identify the E&S BMP(s) that will be utilized to achieve the non-discharge alternative:

- ☐ Alternative Siting: Location
- ☐ Alternative Siting: Configuration
- ☐ Alternative Siting: Location of Discharge
- ☐ Other: _____
- ☐ Limiting Extent & Duration of Disturbance
- ☐ Riparian Buffer (150 ft min.)
- ☐ Riparian Forest Buffer (150 ft min.)
- ☐ Limited Disturbed Area

Explain how the E&S BMP(s) will individually or collectively eliminate the net change in stormwater volume, rate, and quality for storm events up to and including the 2-year/24-hour storm during earth disturbance activities.

Effort was taken to maintain pre-construction locations of discharge during construction. The one watershed on the site will maintain its original discharge location.

If a **Non-Discharge Alternative will not be utilized**, explain the rationale for non-selection, including why none of the alternatives are considered environmentally sound and cost-effective.

Alternative Siting: Location - This site was the only one available and owned by the applicant for this project.

Alternative Siting: Configuration - This configuration provided for the applicants requirements while at the same time, accurately maintaining the orginal drainage patterns.

Limiting Extent & Duration of Disturbance: Construction will be done at a timely manner to limit the duration of disturbance. The extent of the disturbance has been reduced as much as possible on the site.

Riparian Buffer/ Riparian Forest Buffer - No surface water is located on the site and the applicant has no control of the area around the nearest downstream surface water.

Limited Disturbance Area - The disturbace area has been reduced as much as possible on the site while still providing for the applicants requirements.

☒ **Antidegradation Best Available Combination of Technologies (ABACT) BMP(s) will be utilized** for the project that will either individually or collectively manage the net change in stormwater volume, rate, and quality for storm events up to and including the 2-year/24-hour storm during earth disturbance activities.

Identify the ABACT E&S BMP(s) that will be utilized:

- ☐ Rock Construction Entrance with Wash Rack
- ☐ Wheel Wash
- ☐ Pumped Water Filter Bag with Sump Pit
- ☐ Compost Filter Berm (HQ Only)
- ☐ Silt Fence with Vegetative Filter Strip
- ☐ Wood Chip Filter Berm (HQ Only)
- ☐ Sediment Basin with Perforated Riser (HQ Only)
- ☐ Stone Inlet Protection with Compost Layer (HQ Only)
- ☐ Embankment Sediment Trap with Compost Layer (HQ Only)
- ☐ Rock Construction Entrance with Street Sweeping
- ☐ Pumped Water Filter Bag with Compost Sock Ring
- ☒ Compost Filter Sock
- ☐ Weighted Sediment Filter Tube (HQ Only)
- ☐ Super Silt Fence with Vegetative Filter Strip
- ☐ Vegetative Filter Strip (HQ Only)
- ☒ Sediment Basin with Skimmer
- ☐ Compost Filter Sock Sediment Trap
- ☐ Embankment Sediment Trap with Compost Sock

☐ Sediment Trap with Perforated Riser (HQ Only)
☐ Sediment Trap with Skimmer
☐ Erosion Control Blankets within 50 ft of Surface Waters
☐ Immediate Stabilization
☐ Flocculant with PAMs
☐ Vegetative Conveyance
☐ Riparian Buffer (< 150 ft)
☐ Riparian Forest Buffer (< 150 ft)

☒ Approved Alternative: **150' Rock Construction Entrance**

Explain how the E&S BMP(s) will individually or collectively manage the net change in stormwater volume, rate, and quality for storm events up to and including the 2-year/24-hour storm during the earth disturbance activities.

ANTIDEGRADATION – POST-CONSTRUCTION STORMWATER MANAGEMENT (PCSM) PLAN

☐ A **Non-Discharge Alternative will be utilized** for the project that either individually or collectively eliminate the net change in stormwater volume, rate, and quality for storm events up to and including the 2-year/24-hour storm after earth disturbance activities.

Identify the PCSM BMPs that will be used to achieve the non-discharge alternative:

☐ Alternative Siting: Location
☐ Low Impact Development
☐ Alternative Siting: Configuration
☐ Riparian Buffer (150-ft. min.)
☐ Alternative Siting: Location of Discharge
☐ Riparian Forest Buffer (150-ft. min.)
☐ Infiltration
☐ Water Reuse
☐ Other: _____

Explain how the PCSM BMP(s) will individually or collectively eliminate the net change in stormwater volume, rate, and quality for storm events up to and including the 2-year/24-hour storm after earth disturbance activities.

The proposed BMP's will collectively manage and eliminate the net change in stormwater volume, rate and quality for all storm events. The proposed BMP's are spread out throughout the entire site to spread the volume out on the entire site. The subsurface BMP's will have pre-treatment and the surface BMP's planted with vegetation to increase water quality befire discharging downstream.

If a **Non-Discharge Alternative will not be utilized**, explain the rationale for non-selection, including why none of the alternatives are considered environmentally sound and cost-effective.

Alternative Siting: Location - This site was the only one available and owned by the client for this project.

Alternative Siting: Configuration and Location of Discharge - This configuration provided for the applicants requirements while at the same time, accuately maintaining the same drainage pattern.

Infiltration - Infiltration was used to the maximum extent possible by spreading the BMP's out throughout the site.

Limiting Extent and Duration of Disturbance - Construction will be done in a timely manner to limit the duration of disturbance. The extent of the disturbance has been reduced as much as pobbible on the site.

Riparian Buffer/ Riparian Forest Buffer - No surface water is located on this site and the applicant has no control of the area around the nearest downstream surface water.

Water Reuse - Water reuse was not feasible on this site.

☒ **Antidegradation Best Available Combination of Technologies (ABACT) has been selected** for the project that will either individually or collectively manage the net change in stormwater volume, rate, and quality for storm events up to and including the 2-year/24-hour storm after earth disturbance activities.

Identify the ABACT PSCM BMPs that will be utilized:

☐ Rain Garden (with Infiltration)
☐ Disconnection of Impervious / Roof Area
☐ Rain Garden (without Infiltration)
☐ Pervious Pavement with Infiltration Bed
☐ Constructed Filter
☒ Infiltration Basin
☐ Vegetated Swale
☐ Infiltration Bed

- ☐ Vegetated Filter Strip
- ☐ Constructed Wetland
- ☐ Wet Pond
- ☐ Dry Extended Detention Basin
- ☐ Water Quality Device
- ☐ Spray / Drip Irrigation
- ☐ Rain Barrel
- ☐ Protect / Utilize Natural Flow Pathways (on-site)
- ☐ Infiltration Trench
- ☐ Soil Amendment
- ☐ Dry Well / Seepage Pit
- ☐ Infiltration Berm / Retentive Grading
- ☐ Protect Sensitive / Special Value Features
- ☐ Street Sweeping
- ☐ Green Roof

☒ Approved Alternative: **Managed Release Concept**

Explain how the PCSM BMP(s) will individually or collectively manage the net change in stormwater volume, rate, and quality for storm events up to and including the 2-year/24-hour storm after earth disturbance activities.

CERTIFICATION

I certify under penalty of law and subject to the penalties of 18 Pa.C.S. § 4904 (relating to unsworn falsification to authorities) that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Andrew Kronenberg	Managing Principal
Applicant Name (type or print legibly)	**Official Title**
	December 19, 2024
Applicant Signature	**Date Signed**