



TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION  
ENVIRONMENTAL FIELD OFFICE

3711 Middlebrook Pike  
Knoxville, TN 37921

(865)594-6035 STATEWIDE 1-888-891-8332 (865)594-6105

Receipt: EAC-K-11282

Date of Receipt: 14-Jun-2021 8:43 am

Created By: Petey Roach (BG57034)

County: Anderson

EFO/Office: Knoxville Field Office

Received From: Zyp Holdings

Company/Affiliation: Zyp Holdings LLC

Recipient Address: 120 Valley Court  
OAK RIDGE, TN- 37830

Amount Received: \$250.00

Method of Payment: CHECK

Check Number: 1109

Comments: NPDES Permit- Bethel Valley

Division	Description	TDEC Code	Quantity	Unit Price	Line Total
WPC	WPC-NOI \$250 Permit Application	43.340.F02	1	\$250.00	\$250.00

Receipt Total:

\$250.00



TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION

Division of Water Resources

William R. Snodgrass Tennessee Tower, 312 Rosa L. Parks Avenue, 11th Floor, Nashville, Tennessee 37243  
1-888-891-8332 (TDEC)

Notice of Intent (NOI) for General NPDES Permit for Stormwater Discharges from Construction Activities (TNR100000)

<b>Site or Project Name:</b> ZYP Coatings Campus		<b>NPDES Tracking Number:</b> TNR	
Street Address or Location: 1351 Bethel Valley Road, Oak Ridge TN 37830		Construction Start Date: 6-15-2021	
Site Description: An open field that was former DOE property.		Estimated End Date: 7-1-2022	
County(ies): Anderson		Latitude (dd.ddd): 35.9849	
MS4 (if applicable): City of Oak Ridge		Longitude (-dd.ddd): -84.2173	
Check box if a SWPPP is attached: <input checked="" type="checkbox"/>		Acres Disturbed: 3.0	
Check box if a site location map is attached: <input checked="" type="checkbox"/>		Total Acres: 21	
Check the appropriate box(s) if there are streams and/or wetlands on or adjacent to the construction site: Streams <input checked="" type="checkbox"/> Wetlands <input type="checkbox"/>		Has a jurisdictional determination been made by the USACE or EPA identifying waters of the United States?: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Note: if yes, attach the jurisdictional determination			
If an Aquatic Resource Alteration Permit (ARAP) has been obtained for this site, what is the permit number? NR(S)			
Receiving waters: Scarboro Creek			

**Site Owner/Developer (Primary Permittee):** (Provide person, company, or entity that has operational or design control over construction plans and specifications): ZYP Holding, LLC

For corporate entities only, provide correct Tennessee Secretary of State (SOS) Control Number: N/A  
(an incorrect SOS control number may delay NOI processing)

Site Owner or Developer Contact Name: (signs the certification below) ZYP Holding, LLC (Cres Holcombe)		Title or Position: member	
Mailing Address: 120 Valley Court		City: Oak Ridge	State: Tennessee Zip: 37830
Phone: (865) 482-5717	Fax: ( ) N/A	E-mail: N/A	
Optional Contact: N/A		Title or Position:	
Mailing Address:		City:	State: Zip:
Phone: ( )	Fax: ( )	E-mail:	

**Owner/Developer(s) Certification:** (must be signed by president, vice-president or equivalent, or ranking elected official) (Primary Permittee)

I certify under penalty of law that this document and all attachments were prepared by me, or under my direction or supervision. The submitted information 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. As specified in Tennessee Code Annotated Section 39-16-702(a)(4), this declaration is made under penalty of perjury.

Owner/Developer Name (print/type): ZYP Holding, LLC (Cres Holcomb	Signature:	Date: 6-10-21
Owner/Developer Name (print/type):	Signature:	Date:

**Contractor Certification:** (must be signed by president, vice-president or equivalent, or ranking elected official) (Secondary Permittee)

I certify under penalty of law that I have reviewed this document, any attachments, and the SWPPP referenced above. Based on my inquiry of the construction site owner/developer identified above and/or my inquiry of the person directly responsible for assembling this NOI and SWPPP, I believe the information submitted is accurate. I am aware that this NOI, if approved, makes the above-described construction activity subject to NPDES permit number TNR100000, and that certain of my activities on-site are thereby regulated. I am aware that there are significant penalties, including the possibility of fine and imprisonment for knowing violations, and for failure to comply with these permit requirements. As specified in Tennessee Code Annotated Section 39-16-702(a)(4), this declaration is made under penalty of perjury.

Contractor name, address, and SOS control number (if applicable): AWE Construction Inc. 20-3086139	Signature:	Date: 6/10/21
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OFFICIAL STATE USE ONLY

Received Date:	Reviewer:	Field Office:	Permit Tracking Number: TNR	Exceptional TN Water:
Fee(s):	T & E Aquatic Flora/Fauna:	SOS Corporate Status:	Waters with Unavailable Parameters:	Notice of Coverage Date:

JUN 14 2021

# Stormwater Pollution Prevention Plan

for  
ZYP Campus  
Bethel Valley Road  
Oak Ridge, Tennessee

Prepared for:

*ZYP Holdings, LLC  
120 Valley Court  
Oak Ridge, Tennessee 37830*

Prepared by:

*Applied Engineering & Management Corporation (AEMC)  
2111 Woodson Drive  
Knoxville, Tennessee 37920*

June 8, 2021



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ZYP SWPPP  
Bethel Valley Road  
Oak Ridge, Tennessee

**Introduction**

This Stormwater Pollution Prevention Plan (SWPPP) was prepared to comply with requirements of the Tennessee General NPDES Permit for discharges of stormwater associated with construction activities (Permit No. TNR100000) during the development of the ZYP campus project, Oak Ridge, Anderson County, Tennessee. The purpose of this plan is to minimize erosion of site soil and the discharge of pollutants into waters of the State.

**Plan required signatures**

**Primary permittees**

"I certify under penalty of law that this document and all attachments were prepared by me, or under my direction or supervision. The submitted information 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. As specified in Tennessee Code Annotated Section 39-16-702(a)(4), this declaration is made under penalty of perjury."

Cres Holcombe		Member	ZYP Holdings, LLC	6-10-21
_____	_____	_____	_____	_____
print name	signature	title	affiliate	date
_____	_____	_____	_____	_____
print name	signature	title	affiliate	date

**Secondary permittees**

"I certify under penalty of law that I have reviewed this document, and attachments, and the SWPPP referenced above. Based on my inquiry of the construction site owner/developer identified above and/or my inquiry of the person directly responsible for assembling this NOI and SWPPP, I believe the information submitted is accurate. I am aware that this NOI, if approved, makes the above-described construction activity to NPDES permit number TNR100000, and that certain of my activities onsite are thereby regulated. I am aware that there are significant penalties, including the possibility of fine and imprisonment for knowing violations and for failure to comply with these permit requirements. As specified in Tennessee Code Annotated Section 39-16-702(a)(4), this declaration is made under penalty of perjury."

Anthony Edwards		Jr	AWE Contract Co. I	6/10/21
_____	_____	_____	_____	_____
print name	signature	title	affiliate	date
_____	_____	_____	_____	_____
print name	signature	title	affiliate	date

ZYP SWPPP  
Bethel Valley Road  
Oak Ridge, Tennessee

## Site Description

The site will be graded to construct one (1) building of a proposed campus. The access drive will be constructed as shown on the project plans. The site consists of 21 ± acres that will be developed for commercial use. The initial construction activities include a construction entrance and placement of sediment control measures (i.e. silt fence). The area will be re-graded, using the site clay sub-soils and stone, to the contours shown on the enclosed project plans to provide a road. The construction activities including the first building will disturb approximately 3.0 acres. When the site reaches subgrade and base elevation, the building foundation will be placed in addition to the installation of utilities (water, electrical, and gas). When utility construction is completed, the roadway will be paved with aggregate base. The permeable surface of the roadway will be placed upon completion of the building. Temporary erosion and sediment control measures will continue until all disturbed areas have been stabilized.

## Description of Stormwater runoff controls

Sequence and timetable for implementing best management practices (see EPSC plans for details):

- |            |  |
|------------|--|
| week 1- 2  | construct site entrance/exit, install silt fence grub site and stockpile topsoil, establish erosion control of stockpiled topsoil (grading contractor, and general contractor) |
| week 2- 6  | re-grade site install utilities, stabilize all disturbed areas not associated with active construction (grading contractor and/or utility contractor)                          |
| week 6- 8  | place base stone and permanently stabilize all disturbed areas that will not be disturbed building housing units (general contractor)  |
| week 6- 52 | build the building and maintain site erosion and sediment controls until site is stabilized (landscaping and road surface) (general contractor)                                |

## Erosion prevention and sediment controls

Existing site vegetation shall be preserved to the maximum extent practicable. Vegetative ground cover shall not be disturbed/removed more than 15 days prior to grading activities. Sediment control measures shall be in place and functional before earth moving begins. Disturbed areas not scheduled for paving or building construction shall be stabilized (seeded and mulched) within 14 days of reaching final grade. All slopes shall be temporarily stabilized no later than 7 days after construction has temporarily or permanently stopped. Disturbed areas where construction is expected (not delay due to inclement weather) to be temporarily halted for 14 days or more, shall be seeded and mulched no later than 14 days after construction has stopped.

ZYP SWPPP  
Bethel Valley Road  
Oak Ridge, Tennessee

Re-vegetation seed mixtures

Spring (February 15 - May 15)

Wheat, Oats or Balboa Rye	30 pounds/ac.
Ky-31 Tall Fescue	15 pounds/ac.
Orchard Grass	15 pounds/ac.
Korean Lespedeza	10 pounds/ac.
Timothy	10 pounds/ac.
Yellow-Sweet Clover	5 pounds/ac.
Ladino Clover	3 pounds/ac.
<b>Total Seed Mixture</b>	<b>88 pounds/ac.</b>

Summer (May 15 - August 1)

Ky-31 Tall Fescue	30 pounds/ac.
Orchard Grass	20 pounds/ac.
Foxtail Millet	12 pounds/ac.
Korean Lespedeza	12 pounds/ac.
Yellow-Sweet Clover	5 pounds/ac.
Ladino Clover	4 pounds/ac.
<b>Total Seed Mixture</b>	<b>73 pounds/ac.</b>

Fall (August 1 - October 15)

Wheat or Oats	40 pounds/ac.
Ky-31 Tall Fescue	15 pounds/ac.
Orchard Grass	15 pounds/ac.
Timothy	12 pounds/ac.
Red Clover	6 pounds/ac.
Yellow-Sweet Clover	5 pounds/ac.
Ladino Clover	4 pounds/ac.
<b>Total Seed Mixture</b>	<b>97 pounds/ac.</b>

Winter (October 15 - February 15)

Wheat, Oats or Balboa Rye	40 pounds/ac.
Ky-31 Tall Fescue	30 pounds/ac.
Korean Lespedeza	15 pounds/ac.
Timothy	15 pounds/ac.
Ladino Clover	6 pounds/ac.
Yellow-Sweet Clover	5 pounds/ac.
<b>Total Seed Mixture</b>	<b>111 pounds/ac.</b>

Mulch (straw/hay) should be applied at a rate of 2 tons/ac. The goal is 70% uniform coverage over 100 % of the disturbed area. The seeded area may require addition of lime and fertilizer to enhance vegetative growth. Soil test should be used to establish appropriate application rates of these nutrients.

### **Stormwater management**

The project site currently has a mixed grass and native weed vegetative cover. Upon completion the impervious area will be increased by approximately 52,000 ft<sup>2</sup>. The estimated peak runoff upon completion, resulting from 4.06 inches of precipitation, is 10.84 cfs ( $Q_p = CIA$ ,  $10.84 \text{ cfs} = 0.3 \times 1.72 \times 21$ ). The estimated existing condition runoff resulting from 4.06 inches of precipitation, is 9.39 cfs ( $Q_p = CIA$ ,  $9.39 \text{ cfs} = 0.26 \times 1.72 \times 21$ ). Stormwater runoff will enter Scarboro Creek (as shown on the project grading and drainage plans). The first 1" of runoff will remain on site and runoff from the current project will flow through a series of three (3) onsite ponds which have a combined surface area of 1.5± acres.

### **Other items needing control**

Litter, construction debris, construction materials (including chemicals) that would be exposed to stormwater shall be picked up (or secured) prior to anticipated rainfall events to minimize (to the extent practical) contamination of stormwater runoff. Materials used for erosion prevention (temporary plastic cover) and sediment control (silt fence) shall be removed when no longer needed. During building construction, a roll off will be used to collect construction waste and debris to be disposed of offsite at a local landfill. Spilled items (paint, fuel, oil, etc.) will be removed and disposed of offsite in compliance with applicable rules and regulations. The discharge of hazardous substances or hydrocarbons shall be prevented and/or minimized.

### **Approved local government sediment and erosion control requirements**

In addition to the Tennessee General Permit and this document, the owner and contractors must comply with the City of Oakridge stormwater ordinance and all requirements of the site grading permit.

### **Maintenance**

Sediment shall be removed from all sediment traps (check dams, silt fence, etc.) upon reaching 50% of each traps storage volume. Silt fences shall be maintained in a manner that prevents the discharge of water from any disturbed area from leaving the site without flowing through the silt fence. The rip-rap apron at all culverts shall be maintained in a workman like manner and good state of repair. Sediment (mud) allowed to escape offsite (tracked offsite) shall immediately be collected (removed) and disposed of in a manner which prevents future mobilization offsite. All items identified as needing repair/replacement, during site inspections, shall have repair work completed before the next rain; however, all maintenance/repairs shall be completed within 7 days of being identified.

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ZYP SWPPP  
Bethel Valley Road  
Oak Ridge, Tennessee

## **Inspections**

Site inspections shall be performed twice every calendar week. Inspections shall be performed at least 72 hours apart. The inspector\* shall use the attached inspection form. Copies of the inspection forms shall be kept onsite or nearby and be available upon request. Rainfall records for this site will be from the onsite rain gage or nearby available records.

**\* Inspector(s) performing the inspections shall have a current TN EPSC Level 1 certification (copy of certification or training record shall be maintained with inspection records).**

## **Pollution prevention measures for non-stormwater discharges**

Muddy water pumped from work areas must be held in a settling basin or filtered prior to being discharged off site. Vehicles washed onsite shall be limited to water only. Potable water from line flushing may be discharged from which chlorine has been removed to the maximum extent practicable. External building wash down (no detergents or other chemicals) may be discharged.

## **Documentation of permit eligibility related to Total Maximum Daily Loads (TMDL)**

Project stormwater runoff discharges to Scarboro Creek. Scarboro Creek is listed as non-supporting. The listed cause for non-supporting is E. Coli. The City of Oak Ridge Public Works Department provides sanitary service to the project site. The proposed stormwater runoff treatment system was designed for 5 yr. return interval with an average intensity of 1.72 in/hr.

## **Records**

The dates when major grading activities occur; dates when construction activities temporarily or permanently cease on a portion of the site; the dates when stabilization measures are initiated; and rainfall shall be recorded and maintained for this project. Records and information resulting from inspection, monitoring, and repair activities shall be retained for a minimum of three (3) years and shall be shown to the Division of Water Resources representative upon request. The records shall be maintained on site or at project developer/owners office.



**TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION (TDEC)**

Division of Water Resources

William R. Snodgrass Tennessee Tower, 312 Rosa L. Parks Avenue, 11th Floor, Nashville, Tennessee 37243  
1-888-891-8332 (TDEC)

**General NPDES Permit for Stormwater Discharges from Construction Activities (CGP)**

**Construction Stormwater Inspection Certification (Twice-Weekly Inspections)**

<b>Site or Project Name:</b> ZYP Campus		<b>NPDES Tracking Number:</b> TNR
Primary Permittee Name: ZYP Holdings, LLC		Date of Inspection:
Current approximate disturbed acreage:	Has rainfall been checked/documented daily? <input type="checkbox"/> Yes <input type="checkbox"/> No	Name of Inspector:
Current weather conditions:		Inspector's Training Certification Number:

**Please check the box if the following items are on-site:**

- Notice of Coverage (NOC)   
  Stormwater Pollution Prevention Plan (SWPPP)   
  Twice-weekly inspection documentation  
 Site contact information   
  Rain Gage   
  Off-site Reference Rain Gage Location: \_\_\_\_\_

**Best Management Practices (BMPs):**

**Are the Erosion Prevention and Sediment Controls (EPSCs) functioning correctly:** If "No," describe below in Comment Section

- |  |   |
|--|---|
| 1. Are all applicable EPSCs installed and maintained per the SWPPP?  | <input type="checkbox"/> Yes <input type="checkbox"/> No                              |
| 2. Are EPSCs functioning correctly at all disturbed areas/material storage areas per section 4.1.5?  | <input type="checkbox"/> Yes <input type="checkbox"/> No                              |
| 3. Are EPSCs functioning correctly at outfall/discharge points such that there is no objectionable color contrast in the receiving stream, and no other water quality impacts per section 5.3.2?   | <input type="checkbox"/> Yes <input type="checkbox"/> No                              |
| 4. Are EPSCs functioning correctly at ingress/egress points such that there is no evidence of track out?   | <input type="checkbox"/> Yes <input type="checkbox"/> No                              |
| 5. If applicable, have discharges from dewatering activities been managed by appropriate controls per section 4.1.4? If "No," describe below the measures to be implemented to address deficiencies.   | <input type="checkbox"/> Yes <input type="checkbox"/> No                              |
| 6. If construction activity at any location has temporarily/permanently ceased, was the area stabilized within 14 days per section 3.5.3.2? If "No," describe below each location and measures taken to stabilize the area(s)  | <input type="checkbox"/> Yes <input type="checkbox"/> No                              |
| 7. Have pollution prevention measures been installed, implemented, and maintained to minimize the discharge of pollutants from equipment and vehicle washing, wheel wash water, and other wash waters per section 4.1.5? If "No," describe below the measures to be implemented to address deficiencies. | <input type="checkbox"/> Yes <input type="checkbox"/> No                              |
| 8. If a concrete washout facility is located on site, is it clearly identified on the project and maintained? If "No," describe below the measures to be implemented to address deficiencies.  | <input type="checkbox"/> N/A <input type="checkbox"/> Yes <input type="checkbox"/> No |
| 9. Have all previous deficiencies been addressed? If "No," describe remaining deficiencies in Comment section.<br><input type="checkbox"/> Check if deficiencies/corrective measures have been reported on a previous form.  | <input type="checkbox"/> Yes <input type="checkbox"/> No                              |

Comment Section. If the answer is "No" for any of the above, please describe the problem and corrective actions to be taken. Otherwise, describe any pertinent observations:

**Certification and Signature** (must be signed by the certified inspector and the permittee per Sections 3.5.8.2 (g) and 7.7.2 of the CGP)

I certify under penalty of law that this document and all attachments were prepared by me, or under my direction or supervision. The submitted information 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. As specified in Tennessee Code Annotated Section 39-16-702(a)(4), this declaration is made under penalty of perjury.

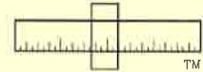
Inspector Name and Title:	Signature:	Date:
Primary Permittee Name and Title:	Signature:	Date:



JUN 14 2021

## Applied Engineering & Management Corporation

**AEMC**



June 9, 2021

Mr. Michael Atchley  
Manager  
State of Tennessee  
Department of Environment and Conservation  
Division of Water Resources  
Knoxville Environmental Field Office  
3711 Middlebrook Pike  
Knoxville, Tennessee 37921

Ref: ZYP Coatings Campus Site  
Bethel Valley Road  
Oak Ridge, Tennessee

Dear Mr. Atchley:

This letter transmits a notice of intent (NOI) for general NPDES permit for stormwater discharges from construction activities (TNR100000) for the above referenced project. We have attached a copy of the stormwater pollution prevention plan (SWPPP) and a check (no. 1109) for \$ 250.00 which we understand is the appropriate application fee.

If you have any questions or comments, please call (865) 588-6355.

Sincerely,

Dr. JB Turnmire, P E  
for AEMC

JBT/pch

Attachments;

c: ZYP Holdings, LLC  
120 Valley Court  
Oak Ridge, Tennessee 37830

2111 WOODSON DRIVE • KNOXVILLE, TENNESSEE 37920 • (865) 588-6355  
email AEMCKXTN@BELLSOUTH.NET