Application/Checklist for Stormwater Permit

Vigo County Soil and Water Conservation District

MS4@VigoCounty.IN.Gov 812-231-1470

To be completed by Applicant. The plan and this checklist needs to be emailed to Vigo SWCD. IDEM Program guidelines:

IDEM Construction Stormwater General Permit (CSGP) Construction/Stormwater Pollution Prevention Plan Development
https://www.in.gov/idem/stormwater/files/csgp_development_guidance.pdf

Project Name:		
General Location:		
Form Completed By (Name):		Date Completed:
Total Site Acreage:	Proposed Land Disturbance Acreage:	

1. Application Fee	
Check Attached. (Note: For Vigo County MS4 SWCD Review-No Charge)	Amt. $

2. Owner/Applicant Information		
Owner Name:	Phone #:	E-Mail:
Engineer Company Name:		
Engineer Name:	Phone #:	E-Mail:
Brief Project Purpose and Description:		

3. Construction Plans – General Requirements	☑ **Included?**
1. Title sheet which includes location map, vicinity map, operating authority, design company name, developer name, and index of plan sheets.	
2. A copy of a legal boundary survey for the site, performed in accordance with Rule 12 of Title 865 of the Indiana Administrative Code or any applicable and subsequently adopted rule or regulation for the subdivision limits, including all drainage easements and wetlands.	
3. A reduced plat or project site map showing the parcel identification numbers, the lot numbers, lot boundaries, easements, and road layout and names. The reduced map must be legible and submitted on a sheet or sheets no larger than eleven (11) inches by seventeen (17) inches for all phases or sections of the	
An existing project site layout that must include the following information:	

		A topographic map of the land to be developed and such adjoining land whose topography may affect the layout or drainage of the development. The contour intervals shall be one (1) foot when slopes are less than or equal to two percent (<2%) and shall be two (2) feet when slopes exceed two percent (>2%). All elevations shall be given in either National Geodetic Vertical Datum of 1929 (NGVD) or North American Vertical Datum of 1988 (NAVD). The horizontal datum of topographic map shall be based on Indiana State Plane Coordinates, NAD83. The map will contain a notation indicating these datum information. i. If the project site is less than or equal to two (2) acres in total land area, the topographic map shall include all topography of land surrounding the site to a distance of at least one hundred (100) feet. ii. If the project site is greater than two (2) acres in total land area, the topographic map shall include all topography of land surrounding the site to a distance of at least two hundred (200) feet.	
		Location, name, and normal water level of all wetlands, lakes, ponds, and water courses on or adjacent to the project site.	
		Location of storm, sanitary, combined sewer, and septic tank systems and outfalls.	
		The location of regulated drains, farm drains, inlets and outfalls, if any of record.	
		Location of all existing section corners within the proposed development and a plan to protect and preserve them.	
	A grading and drainage plan, including the following information:		
		Location of all proposed site improvements, including roads, utilities, lot delineation and identification, proposed structures, and common areas.	
		Delineation of all proposed land disturbing activities, including off-site activities that will provide services to the project site.	
		Information regarding any off-site borrow, stockpile, or disposal areas that are associated with a project site, regardless of who owns or controls those areas. Off-site disposal areas may need to have their own permits.	
		Location, size, and dimensions of all existing streams to be maintained, and new drainage systems such as culverts, bridges, storm sewers, conveyance channels, and 100-year overflow paths/ponding areas shown as hatched areas, along with the associated easements.	
		Location, size, and dimensions of features such as permanent retention or detention facilities, including existing or manmade wetlands, used for the purpose of stormwater management. Include existing retention or detention facilities that will be maintained, enlarged, or otherwise altered and new ponds or basins to be built.	
		One or more typical cross sections of all existing and proposed channels or other open drainage facilities carried to a point above the 100-year high water and showing the elevation of the existing land and the proposed changes, together with the high water elevations expected from the 100 year storm under the controlled conditions called for by this ordinance, and the relationship of structures, streets, and other facilities.	
	Utility plan sheet(s) showing the location of all proposed utility lines for the project		
	Storm sewer plan/profile sheet(s) showing the elevation, size, length, location of al proposed storm sewers. Existing and proposed ground grades, storm sewer structures elevations, and utility crossings also must be included.		
	A 24-inch by 36-inch plat, including the following information:		
		Legal description.	

		Cross reference to Rule 12.	
		Regulated drain statement and table.	
	Any other information required by City of Terre Haute to thoroughly evaluate the submitted material.		
4. Storm Water Drainage Technical Report			☑ **Included?**
	A summary report, including the following information:		
		Description of the nature and purpose of the project.	
		The significant drainage problems associated with the project.	
		The analysis procedure used to evaluate these problems and to propose solutions.	
		Any assumptions or special conditions associated with the use of these procedures, especially the hydrologic or hydraulic methods.	
		The proposed design of the drainage control system.	
		The results of the analysis of the proposed drainage control system showing that it does solve the project's drainage problems. Any hydrologic or hydraulic calculations or modeling results must be adequately cited and described in the summary description. If hydrologic or hydraulic models are used, the input and output files for all necessary runs must be included in the appendices. A map showing any drainage area subdivisions used in the analysis must	
		Proof of Errors and Omissions Insurance for the registered professional engineer or licensed surveyor showing a minimum amount of $1,000,000 in coverage.	
	A Hydrologic/Hydraulic Analysis, consistent with the methodologies and calculation included in the technical standards, and including the following information:		
		A hydraulic report detailing existing and proposed drainage patterns on the subject site. The report should include a description of present land use and proposed land use. Any off-site drainage entering the site should be addressed as well. This report should be comprehensive and detail all of the steps the engineer took during the design process.	
		All hydrologic and hydraulic computations should be included in the submittal. These calculations should include, but are not limited to: runoff curve numbers and runoff coefficients, runoff calculations, stage-discharge relationships, times-of-concentration and	
		Copies of all computer runs. These computer runs should include both the input and the outputs. Electronic copies of the computer runs with input files will expedite the review process and is required to be submitted.	
		A set of exhibits should be included showing the drainage sub-areas and a schematic detailing of how the computer models were set up.	
		A conclusion which summarizes the hydraulic design and details how this design satisfies this Ordinance.	
5. Stormwater Pollution Prevention Plan for Construction Sites			☑ **Included?**
5.1	Construction Plan Elements (Section A in IDEM Form)		
		Index of the location of required plan elements in the construction plan	
		A vicinity map depicting the project site location in relationship to recognizable local landmarks, towns, and major roads	
		Narrative of the nature and purpose of the project	

	Latitude and longitude to the nearest fifteen (15) seconds	
	Legal description of the project site	
	11 X 17-inch plat showing building lot numbers/boundaries and road layout/names	
	Boundaries of the one hundred (100) year floodplains, floodway fringes, and floodways	
	Land use of all adjacent properties	
	Identification of a U.S. EPA approved or established TMDL	
	Name(s) of the receiving water(s)	
	Identification of discharges to a water on the current 303d list of impaired waters and the pollutant(s) for which it is impaired	
	Soil map of the predominant soil types	
	Identification and location of all known wetlands, lakes and water courses on or adjacent to the project site (construction plan, existing site layout)	
	Identification of any other state or federal water quality permits or authorizations that are required for construction activities	
	Identification and delineation of existing cover, including natural buffers	
	Existing topography at a contour interval appropriate to indicate drainage patterns	
	Location(s) of where run-off enters the project site	
	Location(s) of where run-off discharges from the project site prior to land disturbance	
	Location of all existing structures on the project site	
	Existing permanent retention or detention facilities, including manmade wetlands, designed for the purpose of stormwater management	
	Locations where stormwater may be directly discharged into ground water, such as abandoned wells, sinkholes, or karst features	
	Size of the project area expressed in acres	
	Total expected land disturbance expressed in acres	
	Proposed final topography	
	Locations and approximate boundaries of all disturbed areas	
	Location, size, and dimensions of all stormwater drainage systems, such as culverts, storm sewers, and conveyance channels	
	Locations of specific points where stormwater and non-stormwater discharges will leave the project site	
	Location of all proposed site improvements, including roads, utilities, lot delineation and identification, proposed structures, and common areas	
	Location of all on-site soil stockpiles and borrow areas	
	Construction support activities that are expected to be part of the project	

		Location of any in-stream activities that are planned for the project including, but not limited to stream crossings and pump arounds	
5.2	Erosion and Sediment Control/Project Site Management (Section B in IDEM Form)		
		Description of the potential pollutant generating sources and pollutants, including all potential non-stormwater discharges	
		Where applicable, Items in B2 through B10 below will be evaluated for location, dimensions, detailed specifications, and construction details	
		Stable construction entrance locations and specifications	
		Specifications for temporary and permanent stabilization	
		Sediment control measures for concentrated flow areas	
		Sediment control measures for sheet flow areas	
		Run-off control measures	
		Stormwater outlet protection locations and specifications	
		Grade stabilization structure locations and specifications	
		Dewatering applications and management methods	
		Measures utilized for work within waterbodies	
		Maintenance guidelines for each proposed temporary stormwater quality measure	
		Planned construction sequence describing the relationship between implementation of stormwater quality measures in relation to land disturbance	
		Provisions for erosion and sediment control on individual building lots regulated under the proposed project	
		Material handling, spill prevention and spill response plan meeting requirements in 327 IAC 2-6.1	
		Material handling and storage procedures associated with construction activity	
6. Post-Construction Stormwater Pollution Prevention Plan			**Included?**
6.1	SWPPP – Post-Construction (Section C in IDEM Form)		
		Description of pollutants and their sources associated with the proposed land use	
		Description of proposed post-construction stormwater measures	
		Plan details for each stormwater measure	
		Sequence describing stormwater measure implementation	
		Maintenance requirements for proposed post-construction stormwater measures	
		Entity that will be responsible for operation and maintenance of the post-construction stormwater measures	