

# **VANDERBURGH COUNTY MS4 GOOD HOUSEKEEPING**

Facility Inspection Report for:

## **VANDERBURGH COUNTY CORONER'S OFFICE**

201 S. Morton Avenue  
Evansville, IN 47713



Report Completed: February 2010

Prepared by:

Vanderburgh County Engineering Department  
201 NW Fourth Street, Suite 306  
Evansville, IN 47708

## **Section 1.0 – General Information**

Facility Name: Vanderburgh County Coroner's Office

Facility Contact: Ms. Annie Groves, County Coroner

Facility Location: 201 S. Morton Avenue  
Evansville, IN 47713

Facility Activities: Performing autopsies

## **Section 2.0 – Facility Operational Activities**

The Vanderburgh County Coroner's Office is a 5,200 square foot building located at the intersection of Morton Avenue and Sycamore Street near downtown Evansville. This building is located on a site that is approximately 0.80 acres. The facility has a small parking area on the east side of the building, and a concrete driveway on the north side of the site. The sole use of this facility is to perform autopsies. An aerial view of this site is shown in Figure 1, while street level views of this site are shown in Figures 2 and 3..



**Figure 1 – Aerial View of Coroner's Office**



**Figure 2 –View of Coroner’s Office from Sycamore Street**



**Figure 3 – View of Coroner’s Office from Morton Avenue**

**Section 3.0 – Existing Drainage Conditions**

This facility is located at the southwest corner of Sycamore Street and Morton Avenue near downtown Evansville, Indiana. This entire site drains via sheet flow to Morton Avenue and Sycamore Street. This runoff is then collected into curb inlets. These inlets and their associated storm sewers are part of the City of Evansville’s MS4 system. An aerial view of this drainage pattern is shown in Figure 4.



**Figure 4 – Drainage Pattern at Coroner’s Office**

## **Section 4.0 – Facility Materials Inventory**

The on-site materials storage at the Coroner's Office consists of numerous compounds required for performing autopsies, as well as disinfectants, cleaners, etc. Due to the wide variety of materials, they are too numerous to list in this report. Photos of the typical storage areas and methods for these materials are shown in Figures 4, 5, and 6. All of these materials are stored indoors. As can be seen in these photos, these materials typically are stored in one gallon or smaller bottles.



**Figure 4 – Materials Stored in the Coroner's Office**



**Figure 5 – Typical Cleaners Stored in Coroner's Office**



**Figure 6 – Typical Storage Facility at Coroner's Office**

## **Section 5.0 – Potential Pollutant Sources**

While there are numerous chemicals utilized and stored at this site, they are all stored indoors. Therefore, these compounds are not potential pollutants of storm water. Additionally, when these chemicals are disposed of after use, they are disposed of in the sanitary sewer system. None of the chemicals utilized at this site are discarded in the dumpster located at the northeast corner of this building. Only the empty containers are disposed in the dumpster.

The two potential sources of storm water pollution at this site are found on the building's exterior. They are as follows:

- 1) Parking Lot      Potential pollutants likely to be found at this source include vehicle fluids (such as engine oil, transmission fluid, antifreeze/coolant, brake fluid, etc.), brake dust, and typical road debris tracked by wheel (such as dirt, sand, salt, etc.). Since this parking lot contains only 12 parking spaces, it is not a major source of storm water pollution.
  
- 2) Dumpster      There is a metal garbage dumpster located near the northwest corner of this facility as shown in Figure 7. Potential pollutants likely to be found at this source primarily consist of general office waste that could become floatable debris if it is not contained within the dumpster.



**Figure 7 – Dumpster Located Near the Northwest Corner of the Coroner's Office**

## **Section 6.0 – Findings and Recommendations**

The amount of materials present at the Coroner's Office that pose a risk to the quality of storm water runoff is negligible. The potential pollutants utilized at this site are stored indoors and therefore do not pose a potential risk of being exposed to storm water if spilled. All of the chemicals, disinfectants, cleaners, etc. are used within the building, and as a result are disposed of through the sanitary sewer system. Once the containers of the materials are empty, they are disposed of in the covered dumpster. The pollutant sources on the exterior of the building primarily consist of vehicular fluids and floatable debris. This dumpster is covered, which minimizes the risk that anything placed in the dumpster will enter the storm drainage system during rain events. The automotive fluid pollutants that are likely to be found on the on-site parking lot and that have the potential to be found in the first flush period of storm water runoff are discharged into a paved city street that collects immediately into combined sewer curb inlets and is subsequently treated at a municipal wastewater plant (except during CSO events). Based on this inspection, no additional storm water quality best management practices are currently needed for this facility.