

## EGLE STORMWATER DISCHARGE PERMIT APPLICATION

### Section VI. NESTED JURISDICTIONS

#### Descriptions of Oakland County Departments that are Covered under the Oakland County MS4 Permit

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##### **Oakland County Water Resources Commissioner's Office (WRC)**

(Source: Oakland County FY 2013 – 2015 Triennial Budget)

##### *Mission*

The WRC oversees drainage and water quality issues within Oakland County under a myriad of laws and statutes.

##### *Department Summary*

The Water Resources Commissioner's Office is a key component in providing quality water supply, drainage systems and sewage disposal systems that protects the environment and promotes responsible growth. State law, Act 40, of the Public Acts of 1956, as amended, also known as the Michigan Drain Code of 1956, gives the office powers and responsibilities to govern legally established drainage systems within Oakland County. The Water Resources Commissioner also has additional statutory authority as well as responsibilities delegated by the Oakland County Board of Commissioners. These responsibilities include the operation and maintenance of county-owned sewers and many individual municipal sewer systems and drinking water systems under contract.

Other functions of the office include operations and maintenance of facilities such as sewage pump stations, retention treatment basins, stormwater retention facilities and lake level augmentation sites. Additionally, duties include drain and sewer construction inspection, sewage flow metering, engineering plan review and permitting, as well as a soil erosion control program to monitor construction activities to protect Oakland County lakes and streams from the effects of soil erosion and sedimentation. Each of the WRC departments are described in more detail below.

- **Construction Management** – The Construction Management program performs a multitude of engineering tasks necessary for the Water Resources Commissioner to satisfy various state laws and construct a variety of public works facilities. A staff of professional engineers and technical personnel are responsible for the design and construction of new storm drains, sanitary sewers, water mains, wastewater treatment facilities and lake level control measures.

**Objectives** – To meet the infrastructure needs of local and regional communities by working in close cooperation with local units of government along with state and federal agencies.

- **Environmental** – Environmental program staff manage the current federal stormwater permit program for Oakland County. This involves developing and

implementing water quality programs for WRC and coordinating programs with other Oakland County agencies, subwatershed groups and communities within the five major watersheds in Oakland County. Environmental program staff coordinate required stormwater permit activities, including public education efforts, surface water quality sampling programs, required employee training programs and surface water pollution complaint response through the 24-Hour Pollution Hotline program. Additionally, staff represent the Oakland County Water Resources Commissioner's Office on various interagency environmental and water quality-related projects, and are active on regional planning groups and committees working to define projects and secure State and Federal funding to address water quality issues across the watersheds.

**Objectives** - To ensure WRC is in compliance with federal stormwater permit requirements, assist other County Departments and local communities in meeting their permit requirements and to participate in collaborative efforts to address complex water quality issues on a watershed-wide basis.

- **Site Plan and Plat Review** – Under the provisions of the Land Division Act, the Water Resources Commissioner's Office reviews and approves subdivision plats in Oakland County to ensure that adequate storm drainage facilities have been included in the engineering plan. Additionally, the Mobile Home Commission Act requires this office to review and approve the outlet drainage for new mobile home developments. This program also reviews and evaluates site plans for proposed developments to determine involvement with legally established drains under the jurisdiction of this office.

**Objectives** – To meet statutory requirements that ensure adequate storm drainage facilities have been included in proposed plats, mobile home developments and proposed developments involving legally established drains under the jurisdiction of this office.

- **Soil Erosion** – This program serves 45 communities in Oakland County by conducting regular construction site inspections and when necessary, initiates enforcement with the cooperation of local communities in accordance with Part 91 of Public Act 451 of 1994, as amended, Soil Erosion and Sedimentation Control. The WRC is both a County Enforcing Agency (CEA) and an Authorized Public Agency (APA).

**Objectives** - To protect Oakland County's lakes, streams and wetlands from the preventable and detrimental effects of accelerated soil erosion and sedimentation as development occurs.

- **Sewer System Operations and Maintenance** – The Water Resources Commissioner's office is responsible for several major sewer interceptor systems that serve local communities. Maintenance operations consist of pipe cleaning and repairs, manhole inspection and repairs, and digital video inspection of the pipe systems on a

routine basis. In addition, there are contracts with 17 separate communities for this office to operate and maintain their lateral collection systems. Billing services for communities are also provided as requested. This program also provides regulatory plan reviews for proposed sewer extensions which connect directly into the Oakland County interceptor systems.

**Objectives** - To provide superior service in the maintenance and operation of sewage disposal systems.

- **Wastewater Treatment** - The Wastewater Treatment program currently operates and maintains two municipal Wastewater Treatment Plants (WWTPs), three community septic systems, a school district WWTP, three County park wastewater treatment systems and four municipal combined sewer overflow retention treatment basins. Additionally, following a restructuring plan approved in May 2012, the Pontiac municipal WWTP now is operated as a Chapter 20 Drainage District. Engineering plan reviews for new and upgraded wastewater treatment facilities and an Industrial Pretreatment Program administered in accordance with EPA requirements and local ordinances is also provided. This program is also responsible for coordinating the Michigan Department of Environmental Quality Land Application Program for the beneficial use of biosolids produced at the Walled Lake/Novi WWTP.

**Objectives** - To ensure that wastewater treatment and retention treatment basins are operated in accordance with their discharge permits and that they comply with state and federal regulations to preserve and protect water quality.

- **Drain and Lake Level Maintenance** - The Water Resources Commissioner operates and maintains county-owned drains within 61 communities. In addition, 52 lakes are maintained using 35 lake level control structures and seven lake augmentation pumps. Responsibilities include drain and lake level structure inspections, cleaning, repairs and dam operation and maintenance of legally established lake levels.

**Objectives** - To ensure that facilities are properly maintained and operated in accordance with regulatory requirements.

## **Oakland County Facilities Management (OCFM)**

(Source: Oakland County FY 2013 – 2015 Triennial Budget)

### *Mission*

To continuously ensure that all facilities and grounds are operated on behalf of the County Executive and the other County elected officials in accordance with the highest standards and best practices of both the public and private sector, within the constraints of available resources, to support a safe, secure, effective and professional physical environment for the employees and citizens of Oakland County.

### *Department Summary*

Facilities Management (FM) oversees the construction, management and operation of the buildings and properties owned and operated by the Oakland County General Fund. It is comprised of the Facilities Maintenance & Operations (FM&O) Division and the Facilities Planning & Engineering (FP&E) Division. Primary functions include building maintenance/alterations, engineering/project planning and management, energy management, building security, custodial services and grounds maintenance. The Department is responsible for maintenance of over 347 acres at the East and West Campuses, and several satellite locations in the County. The property has 57 acres of paved parking and 5.7 miles of roadway surrounded by 164 acres of maintained turf area. The surface drainage from this site runs into two open ditches and moves northeast and ultimately flows to the Clinton River. There are two protected forest areas totaling 26 acres, 6 acres of ponds and 12 acres of wetlands.

- **Grounds Maintenance**

The Grounds Maintenance unit in FM&O oversees the maintenance and landscape construction on the Service Center grounds and the County's outlying facilities, including lawns and irrigation systems, snow removal, on-site composting and brush / tree chipping, pest control, signage, and minor asphalt repair.

### **Oakland County Parks and Recreation Commission (OCPRC)**

(Source: Oakland County FY 2013 – 2015 Triennial Budget)

### *Mission*

The Oakland County Parks and Recreation Commission is dedicated to providing quality recreation experiences that encourage healthy lifestyles, support economic prosperity, and promote the protection of natural resources.

- **Facilities and Maintenance**

Facilities and Maintenance staff provides support to all Oakland County golf courses, waterparks and parks in the areas of project planning and design, project and contract management, construction management, Request For Proposal development to engage consulting/construction services, grant management, acquisition documentation and research, natural resource conservation/management, Capital Improvement Program budget development, utilization of Geographic Information System (GIS) resources, Computer Aided Design (CAD) site plan. Additionally, Facilities and Maintenance staff is responsible for the preventive maintenance, repair maintenance, building and renovation of the parks' system significant buildings and facilities.

The Facilities & Maintenance staff includes highly skilled trades' personnel. This section has a large pool of construction equipment and vehicles. It has a full-time auto mechanic that maintains and repairs this floating equipment, as well as all the Mobile Recreation equipment that includes: trailers, buses, and trucks.

- **Parks**

The Parks staff provide recreation facilities for the general public's use. These facilities consist of, but are not limited to; day use sites, picnic areas, dog parks, pavilions, swimming beaches, Red Oaks and Waterford Oaks waterparks, boating lakes, multi-use trails and campgrounds. The staff is also responsible for maintaining all buildings, roads, trails, and grounds.