

# Public Environmental Awareness

**Under the Municipal Separate Storm Sewer Systems (MS4) permit requirement, Orleans Parish provides the Storm Drain Markers as a tool to increase public environmental awareness to reduce urban/non-point water pollution.**



# Storm Drain Placarding Plan

- Part of the MS4 Drain Marker program heighten the awareness of what ends up in the drainage system.
- MS4 Drain Markers are for educational purposes.
- Warning of potential fines for dumping any type of oil/debris that would impede the flow and pollute the system.

# Safety

## There are some safety issues with placing the drain markers

- 1. Always look out for snakes.
- 2. Beware of sharp objects.
- 3. Be careful around openings.
- 4. Use caution with epoxy adhesives.



# Safety Equipment

- It is recommended that you wear plastic gloves and do not expose the epoxy to heat, sparks, your skin, your eyes, or your nose.

# Safety Equipment



Rubber gloves to protect your hands from the **epoxy**.



# Safety Equipment

- Avoid breathing the vapors of the epoxy. (Place curb marking on outdoor drains only!)
- Use safety glasses.
- Wear orange safety vest.
- Wear gloves.



# Safety Equipment



**Safety glasses**

# Application Equipment



Extremely flammable,  
vapors may cause flash  
fire.

Fatal if swallowed.

Epoxy used to mount the Curb Markers



# Application Equipment



**Wire brush to clean the surface.**

# Application Equipment



**Brush used to sweep away dust.**



# Curb Marker



East Bank of Orleans Parish



# Curb Marker



West Bank of Orleans Parish

# S.O.P.

- Select a surface that is flat.

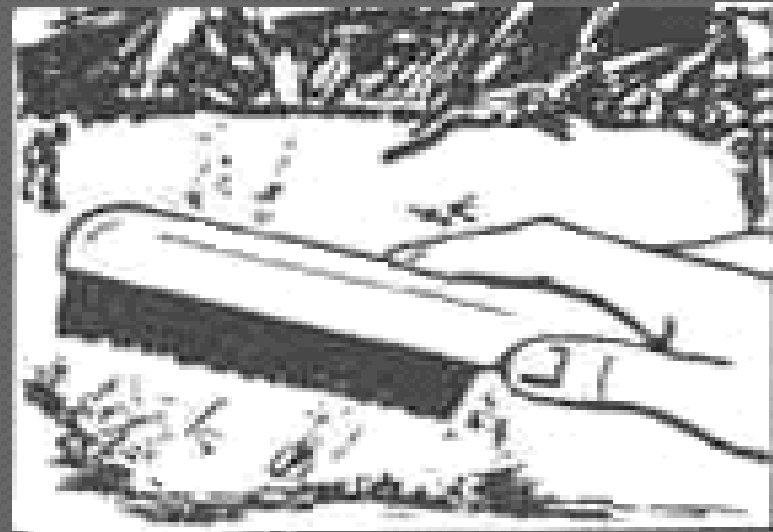
# S.O.P.

- Clean the surface of the concrete or metal where you will apply the marker with a wire brush.



# S.O.P.

Wire brush the location that you want to place the marker



# S.O.P.

- The surface must be clean, dry, and free of loose debris.
- Remove any foreign material like debris, old paint, and oil because this will affect the adhesion of the epoxy.

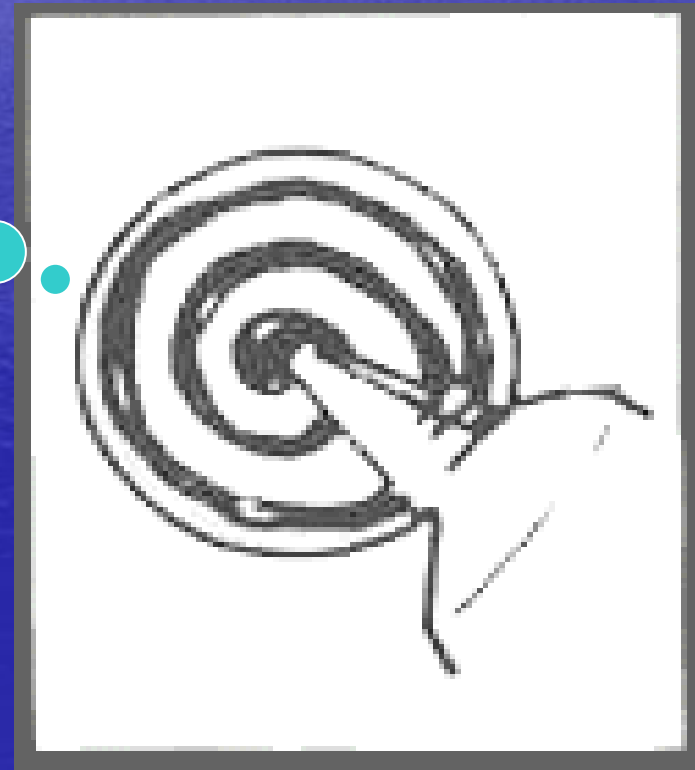
# S.O.P.

- Apply the epoxy from the squeeze tube in a spiral on the back of the storm drain marker. Start 1/8 inches in from the outside edge and apply an even bead around the entire edge and then work to the center.



# S.O.P.

This drawing illustrates what you should do with the adhesive.

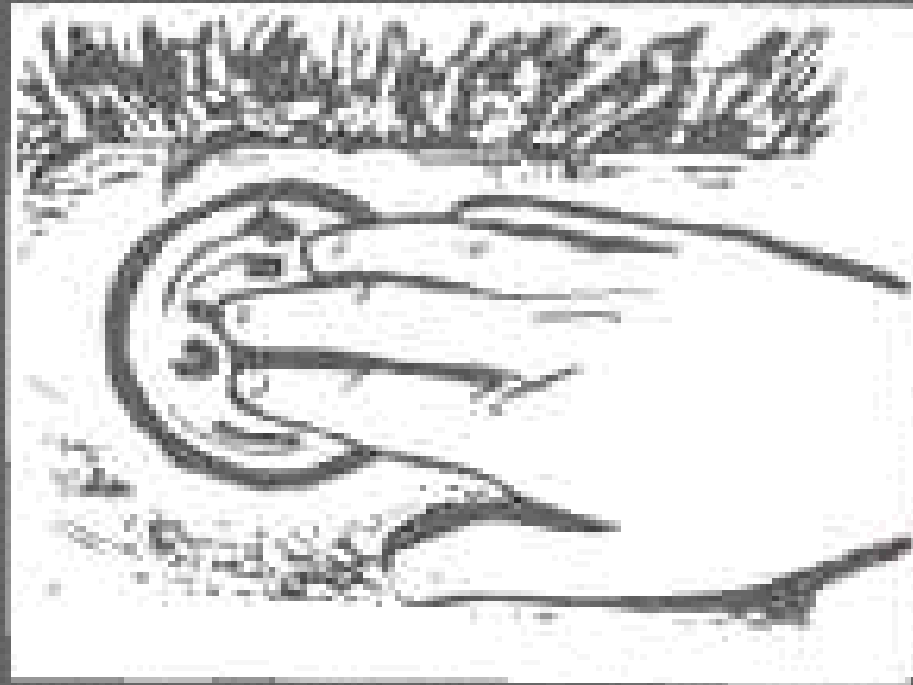


# S.O.P.

- Place the marker on the application surface. Push down hard with a twisting motion forcing epoxy out from the edge. It is important that the entire edge of the marker is sealed to the application surface.

# S.O.P.

Push down hard with a  
twisting  
motion forcing epoxy  
out from the edge.





# S.O.P.

It is important that the entire edge of the marker is sealed to the application surface.

# S.O.P.

- Have a record of the locations of all the markers that were placed.

# FIRST AID procedures

- **Inhalation:** Remove to fresh air, administer oxygen or CPR.
- **Eyes:** Flush eyes with water for at least 15 minutes. Contact physician.
- **Skin Contact:** Wash any skin that contacts the epoxy with soap and water.
- **Ingestion:** Do not induce vomiting. Contact physician immediately.
- **Hazardous Ingredients:** Toluene C.A.S. No. 108-88-3