



Illicit Discharge Detection and Elimination (IDDE) Resources

Illicit Discharge Detection and Elimination (IDDE) Guidance Manual and Resources (CWP, 2004)

This manual is intended to provide support and guidance to stormwater Phase II communities developing IDDE programs. This comprehensive manual discusses all aspects of an IDDE program including components of an effective IDDE program, auditing existing programs, identifying and preventing illicit discharges, field screening using the Outfall Reconnaissance Inventory (ORI), techniques to track and fix illicit discharges.

Manual: <https://owl.cwp.org/mdocs-posts/idde-guidance-manual/>

Appendices: <https://owl.cwp.org/mdocs-posts/idde-technical-appendices/>

IDDE Field Guide

This field manual was developed for local government staff in the coastal area of Virginia, however it can be useful for any IDDE program in the country. An editable Microsoft Word version is also available by request.

<https://goo.gl/PebJbR>

IDDE Program Self-Assessment

One of the main challenges for an Illicit Discharge Detection & Elimination (IDDE) program is to assess the program's existing status and map out a future course and program direction. This assessment is designed to assist program managers with this task. The desired outcome for conducting this self-assessment is to generate short-term and long-term action items to build a more effective program.

<https://goo.gl/bmH3h1>

Three IDDE Videos

This video, *Finding & Fixing Hidden Sources of Water Pollution: Illicit Discharge Detection & Elimination*, provides a brief introduction to the topic of IDDE. This video is useful to educate elected officials and citizens. (Playtime 4:32): https://www.youtube.com/watch?v=AhiS_5ZNbLO

Identifying Illicit Discharges in the Coastal Plain, is geared towards municipal staff from departments such as Parks and Recreation, Utilities, Fire, and Police who may witness and report discharges. The video addresses what a suspected illicit discharge might look like. <https://goo.gl/cwJ6P4>

Tracking and Eliminating Illicit Discharges in the Coastal Plain, is targeted to environmental staff who will conduct investigations to determine the source of a suspected illicit discharge and take steps to eliminate it. The video covers storm drain mapping, how to account for tidal influences, and field testing parameters. <https://goo.gl/zDs6xu>

***Getting Chesapeake Bay TMDL Credit for Your IDDE Work***

On November 10, 2014, EPA's Chesapeake Bay Program approved protocols for how localities can get credit towards their Bay TMDL load allocation by eliminating illicit discharges during routine (yet advanced) outfall screening procedures.

<http://chesapeakestormwater.net/bmp-resources/illicit-discharge-detection/>

IDDE Pollutant Load Calculator

This spreadsheet uses raw data from IDDE outfall screening and instream baseflow sampling to make an initial determination of flow sources (e.g., wastewater, tap water), calculate nutrient loads for each outfall, and compare pollutant loads from outfalls to baseflow within the stream itself.

https://owl.cwp.org/mdocs-posts/idde_pollutant_load_calc/

Manual #8: Pollution Source Control Practices (CWP, 2005)

This CWP manual presents several methods to assess subwatershed pollution sources used to develop education and/or enforcement efforts that can prevent or reduce polluting behaviors and operations. The manual also presents profile sheets for 21 specific stewardship practices for residential neighborhoods and 15 pollution prevention techniques for control of stormwater hotspots.

<https://owl.cwp.org/mdocs-posts/urban-subwatershed-restoration-manual-series-manual-8/>

Manual #9: Municipal Pollution Prevention/Good Housekeeping Practices (CWP, 2008)

This CWP manual provides "how to" guidance on how municipal pollution prevention/good housekeeping practices can be used to address local water quality issues and watershed restoration goals. The primary audience of this manual is small NPDES Phase II communities and other unregulated communities interested in protecting and restoring local water resources.

<https://owl.cwp.org/mdocs-posts/urban-subwatershed-restoration-manual-series-manual-9/>

Safe Waters, Healthy Waters: A Guide for Citizen Groups on Bacteria Monitoring in Local Waterways (CWP, 2016)

The guide provides step-by-step instructions to create a customized bacteria monitoring program, methods to investigate potential pollutant sources, and resources for putting collected data to use. It focuses especially on human sewage sources and monitoring techniques that are simple, reliable and low-cost.

<https://owl.cwp.org/mdocs-posts/safe-waters-healthy-waters-a-guide-for-citizen-groups-on-bacteria-monitoring-in-local-waterways/>