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Contaminated Sites (Cleanup), Brownfields, and Waste Regulation Programs

Contaminated Sites

The Environmental Assessment and Remediation (EAR) Section regulates the majority of the 1,000+ contaminated sites in Broward County. Our goal is to identify, assess, and clean up soil and groundwater contamination while protecting human health and the environment.

The EAR Section manages:

- FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION (DEP) STATE-FUNDED PROGRAMS FOR THE ASSESSMENT AND CLEAN-UP OF PETROLEUM CONTAMINATION FROM STORAGE TANK SYSTEMS.
- LICENSING, ASSESSMENT, AND REMEDIATION OF NON-FUNDED SITES WITH PETROLEUM, DRY CLEANING SOLVENT, AND OTHER CHEMICAL CONTAMINATION.
- SITES THAT HAVE A BROWNFIELD SITE REHABILITATION AGREEMENT (BSRA) WITH BROWARD COUNTY. BROWNFIELD SITES ARE ABANDONED OR UNDERUTILIZED INDUSTRIAL OR COMMERCIAL PROPERTIES WHERE REDEVELOPMENT IS COMPLICATED BY ACTUAL OR PERCEIVED ENVIRONMENTAL CONTAMINATION.
- DEWATERING APPROVAL FOR SITES WITH A ¼ MILE OF A CONTAMINATED SITE.

Broward Environmental Remediation Times

THE BROWARD ENVIRONMENTAL REMEDIATION TIMES (BERT) NEWSLETTER ADDRESSED REGULATORY UPDATES, TECHNICAL ISSUES, AND ANNOUNCEMENTS ASSOCIATED WITH THE ASSESSMENT AND CLEANUP OF CONTAMINATED SITES IN BROWARD COUNTY. THE NEWSLETTER WAS RETIRED IN 2022. MOST RECENT EDITIONS ARE AVAILABLE HERE.

Broward Environmental Remediation Times Newsletters

ISSUE	CONTENT
Fall 2021	• The Soil – Vapor Extraction Surface Seal • Tables, Figures, and Their Review – Oh My! • Announcements

<u>Summer 2021</u>	• SRCO Database Issues • FDEP Draft Changes to the Institutional Control Procedures Guidance • Expediting the Processing of Restrictive Covenants for Conditional Closure • Event Announcements
<u>Spring 2021</u>	• Project Initiation and the SRCO • Soil Disposal Documentation • Event Announcements
<u>Winter 2020</u>	• PFAS – Emerging Contaminants of Concern: • A New Update • PFAS in Air Emissions • Event Announcements
<u>Autumn 2020</u>	• Update to Benzo(a)pyrene Soil Alternative Cleanup Target Level for the Residential Direct Exposure Scenario • Revised ATC Payment of Subcontractors Documentation Procedures • Monitoring Well Transfer Agreement
<u>Summer 2020</u>	• Discussion- Performance of In Situ Chemical Oxidation Remediation Technology • Well Permits • Brownfield Annual Report • Event Announcements
<u>Spring 2020</u>	• Ground Penetrating Radar • Remediation Trailer Safety During Windstorms • Florida Department of Environmental Protection Updates • Broward County Brownfields Report

March/April 2013	• Safety Alert • FDEP Checklist for Orders • Event Announcements
March/April 2009	• Interactive Map of Contaminated Sites • Revised Groundwater Sampling Log
May/June 2007	• Assessment Requirements and Addendum Reports • Program Reminders
March/April 2004	• Professional Certifications of Documents • Pilot Test Plans • Broward County ROW MOT Applications • Program Reminders

Contaminated Site Locations

THE BROWARD COUNTY ENVIRONMENTAL PERMITTING DIVISION MAINTAINS AN INTERACTIVE MAP OF CONTAMINATED SITES IN BROWARD COUNTY. THIS DIVISION ALSO PREPARES AN INVENTORY REPORT OF CONTAMINATED LOCATIONS, WHICH IS DOWNLOADABLE AS AN EXCEL SPREADSHEET (COMMA SEPARATED VALUES) AND IS ALSO SEARCHABLE VIA THE CONTAMINATED LOCATIONS DATABASE. THE MAP, INVENTORY REPORT, AND DATABASE ARE AUTOMATICALLY UPDATED DAILY.

Interactive Map of Contaminated Sites

The Department has developed an [Interactive Map of Contaminated Sites](#) that is linked to the information in the [Inventory Report of Contaminated Locations](#). The Interactive Map is a Geographic Information System (GIS) based map that includes several features that allow users to locate contaminated sites in an area and also search for the locations of specific contaminated sites by address or name. Note that in order to use these features, you may need to disable the pop-up blocker of your internet browser.

Contaminated sites are represented by the blue dots on the map. As you zoom in on the map, more information is shown, including street names and contaminated site names. To obtain more information about a contaminated site, click on the Identify icon (the black circle with an "i" inside) on the left side of the webpage and then click on the blue dot representing the site. You must click directly on the center of the blue dot – not the site name highlighted in yellow. A pop-up window will appear showing limited regulatory information about the site. You may click on the Site Number for additional information.

There are several other useful features that can be activated by clicking on the icons on the left side of the webpage. Clicking on the Layers icon accesses the layers list, which includes an aerial photography layer. Clicking on the Find icon opens a pop-up window that allows you to search for contaminated sites by words or numbers in the site name, address, site number, or Facility ID Number. The Locate Address tool can be used in a similar way to search for contaminated sites by address; however, this feature requires the input of the site address and zip code in the exact format it is listed in the database, so it is often easier to use the Find feature instead of the Locate Address feature to search for sites.

The Measure icon can be used to measure distances on the map. This is useful for determining if contaminated sites are located within a certain radius of a property. The Clear Selection icon is used to clear the measurement lines from the map.

If you click the Return Decimal Degrees icon and then click on any location on the map, a window will open showing the longitude (X) and latitude (Y) of the location in decimal degrees. Clicking the Print icon generates a printable version of the map in its current view. The rest of the icons are used to zoom in and out and to move the location of the map. Clicking the Pan icon (the hand) allows you to “grab and drag” the map to adjust the location.

Interactive Map Key - Program Type:

- FDEP: State Petroleum Cleanup Program
- DRY-CLEAN: State Dry Cleaning Solvent Cleanup Program
- NF: Non-Funded (Broward County Licensing Program or FDEP led sites)
- USEPA: Superfund site
- PCR: Site has been closed with restrictions

Another way to search for sites is by using the [Contaminated Sites Search](#) or through the [Broward County Environmental Inquiry and Resource System \(ENVIROS\)](#).

If you need additional information regarding the Broward County EAR Licensing Program or the State Petroleum Cleanup Program, please call the Department's Cleanup and Waste Regulation Section at 954-519-1429.

If you need information regarding non-funded cleanups where the FDEP is the lead agency, please call DEP's Southeast District Office at 561-681-6600.

For information regarding EPA sites, please contact EPA's Region IV at 404-562-9900.

NOTICE: The information contained in this report has been assembled from documentation received by the Broward County Environmental Permitting Division. Parties engaged in financial,

legal, or other types of transactions concerning a property are advised to seek confirmation of any relevant material appearing in this report.

Dewatering

[Standard Operating Procedure for Dewatering](#) (PDF 743 KB)

i. [Exhibit I Flow Chart - one page](#) (PDF 442 KB)

ii. [Exhibit II Aquifer Test Notification Form - one page](#) (PDF 369 KB)

iii. [Exhibit III Calculation method for radius of influence and dewatering flow rate from aquifer test data - two pages](#) (PDF 496 KB)

iv. [Exhibit IV Sample Approval Letter - three pages](#) (PDF 548 KB)

[EPD Owner Applicant Signature Authorization](#) (PDF 180KB)

Minimum Criteria For Monitoring Wells

Link to pdf is located [here](#)

FDEP-Florida's Petroleum Program

Link to website is located [here](#)

Brownfields

A brownfield is a site where future use is affected by existing or perceived contamination. There are two steps to create a **Brownfield Site**. First involves designating a **Brownfield Area**, which is a region selected by a municipality for potential redevelopment through economic incentives. **Brownfield Areas** may include all or portions of Community Redevelopment Areas, Enterprise Zones, Empowerment Zones, other such designated economically deprived communities and areas, and Environmental Protection Agency-designated brownfield pilot projects. A **Brownfield Site** is a specific location within a Brownfield Area, that requires cleanup from contamination or solid waste.

The Objective of the Broward County Brownfields Program

Broward County has been delegated the authority to administer the Brownfields Redevelopment Program from the Florida Department of Environmental Protection. The objective of the Brownfields Program is to work with municipalities, communities, and professionals to safely transform underutilized properties into places that fulfill a community's need, while also benefitting the environment through remedial efforts and preservation of our natural resources.

Contaminated Sites and the Brownfields Program

A site does not have to be contaminated in order for a municipality to designate it as a Brownfield Area; however, if a site is contaminated, then the Person Responsible for Brownfield Site Rehabilitation may be able to execute a Brownfield Site Rehabilitation Agreement (BSRA) with Broward County.

The BSRA is the legal vehicle to do several things, including making the site eligible for Voluntary Cleanup Tax Credits, making the technical aspects of contamination cleanup subject to the requirements of Chapter 62-780, Florida Administrative Code, and providing for certain liability protections. A BSRA may also be executed to seek Voluntary Cleanup Tax Credits associated with solid waste removal.

Voluntary Cleanup Tax Credits are applied against Florida Corporate Income Tax and are awarded annually in an amount up to 50 percent of the costs incurred for eligible site rehabilitation or solid waste removal work. Additional credits may be available at the time a Site Rehabilitation Completion Order is issued, or if affordable housing is involved.

Explore Broward County's Brownfields Program

[Click here](#) to learn the basics of our Brownfields Program

[Haga clic aquí](#) para conocer los conceptos básicos de nuestro programa de Brownfields

[Click here](#) for an interactive look at all of our Brownfield Sites and Areas

[Haga clic aquí](#) para obtener una visión interactiva de todos nuestros Sitios y Áreas de Brownfield

[Click here](#) for an interactive map that provides details on specific contaminated sites, Brownfield Areas and Sites, Community Redevelopment Areas, Justice40 Disadvantaged areas, and municipal boundaries.

For more information:

- [Brownfields Redevelopment Program](#)
- [2024 Annual Brownfields Report](#)

If you have questions or need further information, you may contact the Environmental Permitting Division at: **954-519-1461**.

Waste Regulation

- ADMINISTERS THE LICENSING AND COMPLIANCE FOR ALL SOLID WASTE MANAGEMENT FACILITIES, WASTE TRANSPORTERS, BORROW PIT RECLAMATION AREAS, AND HAZARDOUS MATERIAL TRANSFER STATIONS WITHIN BROWARD COUNTY AS REQUIRED UNDER COUNTY AND STATE REGULATIONS;
- CONDUCTS INSPECTIONS AT ALL LICENSED FACILITIES TO ENSURE COMPLIANCE WITH ENVIRONMENTAL REGULATIONS;
- ADMINISTERS THE STATE DELEGATED SOLID WASTE LICENSING AND COMPLIANCE PROGRAM.

The following facilities require a license/permit from the Waste Regulation Section.

Solid Waste Facilities

Solid waste management facilities are landfills, solid waste disposal areas, borrow pit reclamation areas, compost areas, material recovery areas, volume reduction plants, transfer stations, waste tire processing or collection area, or other facility, the purpose of which is recovery, disposal, recycling, depositing, processing, or storage of solid waste and fill material. The term does not include recovered materials processing facilities.

EPD SEIF Public Notice Requirements

Public Notice Requirement

For Significant Environmental Impact Facilities Effective April 23, 2013, if you are applying for a license to construct, operate or make a major modification to a Significant Environmental Impact Facility, you may be required to provide public notices.

On September 25, 2018, the Broward County Board of County Commissioners updated the Significant Environmental Impact Facility notification requirements. These new changes are described [here](#). The new changes also allow those within four miles of a Solid Waste Management Facility (SWMF) to [sign-up](#) for email notifications when certain changes are made at a SWMF.

Significant Environmental Impact Facilities:

- Parking facility with more than 750 parking spaces
- Electrical power plants
- Major source of air pollution
- Wastewater treatment plant or non-domestic wastewater discharge
- Solid waste management facility
- Storage Tank Facility installing a tank greater than 30,000 gallons
- Hazardous material transfer facility
- Hazardous material wellfield facility located in a zone 1 wellfield protection area
- Hazardous waste large quantity generator

When Are The Notices Required?

Within nine (9) days after the filing of an application for license,
Within nine (9) days after receipt of a license or intent to issue a license, and
Cannot be within five or less days from a holiday.

Who needs to be notified?

Review the Code ([Chapter 27-170 - Public Notice of Licensing Significant Environmental Impact Facilities](#) and if zoning is involved, [Chapter 39 - Zoning, especially Sections 39.27 and 39.38](#)) for details on the County's notification requirements.

Note: Chapter 27-170 was changed on 09/25/2018. Until that change is updated in the code, viewers can review the updated changes [here](#).

What does the notice need to say?

[Public Notification Template at time of Application](#) PDF-80Kb

[Public Notification Template at time of Licensing](#) PDF-80Kb

How do I inform Broward County that I have Completed the Notifications?

Complete this [Affidavit Confirming Public Notice of Licensing](#) and submit the notifications to your Broward County licensing contact.

Additional Links to Solid Waste Facilities

- [Licensed Solid Waste Management Facilities in Broward County](#)
- [Abandoned Dump Inventory in Broward County](#) (November 2018) (PDF)
- [Active Borrow Pit Reclamation Projects](#)
- [Inactive Borrow Pit Reclamation Projects in Broward County](#) (November 2018) (PDF)

Hazardous Materials Transfer Facilities

A HAZARDOUS MATERIAL TRANSFER FACILITY IS ANY SITE, LOCATION AREA, OR FACILITY WHOSE PRIMARY PURPOSE IS TO STORE, HOLD, OR PROCESS DISCARDED HAZARDOUS MATERIALS, SLUDGE, OR BIOMEDICAL WASTE, PRIOR TO OR DURING TRANSPORT TO A PROCESSING OR DISPOSAL FACILITY. EXCLUDED FROM THIS DEFINITION ARE INDUSTRIAL WASTEWATER TREATMENT SYSTEMS AND INDUSTRIAL WASTEWATER BASINS.

[Link to Hazardous Material Transfer Facilities](#)

Waste Transporters

A waste transporter is any person or entity who at any time carries, conveys, bears, or transports discarded hazardous materials, sludge, or biomedical waste for commercial purposes. The

Environmental Permitting Division (EPD) issues licenses to authorize the transportation of these materials to, from and within Broward County.

Note: Waste tire transporters are not regulated by the EPD. Please refer to the [Florida DEP Waste Tire Management Program website](#).

Click here for lists of [Licensed Waste Transporters](#). This information is provided as a public service.

Waste Transporter customers can submit their monthly reports, new license applications, renewals, and modifications online via [ePermits](#). This service can be accessed any time to upload documents, pay fees, and receive electronic approvals, saving time and money.

Additional Links:

[Waste Transporter License ePermits Instructions](#) (PDF)

[Waste Transporter Monthly Report ePermit Instructions](#) (PDF)

[Waste Transporters Monthly Report Form](#) (PDF)

Additional Resources

Permit applications, guides, checklists, and fee schedules can be found at: [Forms](#).