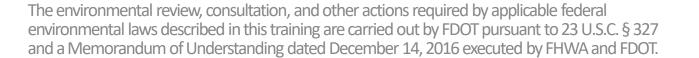


Contamination







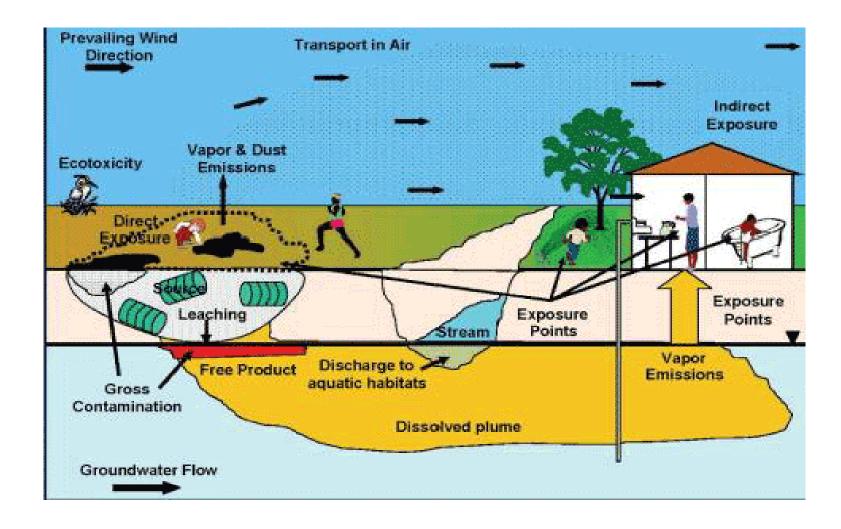
Chapter 337.27 Florida Statutes (F.S.)

• (4) When the department acquires property for a transportation facility or in a transportation corridor through the exercise of eminent domain authority, or by purchase or donation, it is not subject to any liability imposed by chapter 376 or chapter 403 for preexisting soil or groundwater contamination due solely to its ownership. This section does not affect the rights or liabilities of any past or future owners of the acquired property nor does it affect the liability of any governmental entity for the results of its actions which create or exacerbate a pollution source.





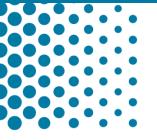
Exposure Pathways







II. Level I Assessment



II. Level I Assessment

Basic Components of a Level I Assessment:

- II-A Records review/ Desktop Review
- II-B Field Review / Site reconnaissance
- II-C Photographic documentation of findings
- II-D Rate potential contamination risk for each site
 - Impacts are per site and per alignment
 - Rating is in terms of "No", "Low", "Medium" or "High"
 - Scoping for projects.





II-A. Records Review/ Desktop Review

- Review of available regulatory records
 - Includes online and in-person file reviews
- Documentation of current & historic uses
 - Electronic environmental data reports
 - Permit information
 - Regulatory database files

- Historical address information
- Historical aerial photos
- Sanborn Maps





II-B. Field Review/ Site Reconnaissance

- Look at FDEP and EPA comments
- Changes in topography such as depressions or mounds indicative of subsurface concerns
- Visual indications of surface spills, surface staining, areas of suspect liquids
- Tanks
- Suspicious odors
- Apparent sink holes
- Distressed vegetation
- Ventilation pipes
- Drums, or chemical storage containers





II-C. Photographic Documentation



Review of historic photos:

- Aerial (Evidence of landfilling, etc.)
- Ground-level photos
- Recent photos





- Should be established for each suspected site within or adjacent to all proposed ROW limits
- Should be completed for each design alternative.
- Reflect the relative degree of concern that contamination may have on the project's design, construction, or schedule
- Results of the Level I should be included in the Environmental Documents for the project, including a summary of the CSER







"No" Rating:

- No potential for contamination to impact the project
- No regulatory agency records of violations, spills or releases
- No interview comments indicate concern
- No historical information about past uses indicating contamination (Sanborn maps, historical photos, other records)





"Low" Rating:

- Former or current activities on the property have an ongoing contamination concern
 - Hazardous waste generator identification (ID) number
 - Handles hazardous materials in some capacity
- Based on all available information and current design, contamination is not likely to impact the project.
- Rating should be based on the current design or the alternative design being studied
 - Sites may be ranked low based on scope of work in the construction area













"Medium" Rating:

- Site has known or suspected soil or groundwater contamination, is currently being remediated or is currently in monitoring only phase.
- Always designated for:
 - Current petroleum operating facilities
 - Non-evaluated former petroleum operating facilities
 - Abandoned UST sites

 Medium sites should be recommended for further assessment in the Level II













"High" Rating:

• There is a reasonable potential for contamination impacts during construction, based on all available information and current design plans

Site should be recommended for further assessment in the Level II















Main FDEP website – www.dep.state.fl.us

FDEP Institutional Controls Registry -

http://www.dep.state.fl.us/waste/categories/brownfields/pages/ICR.htm

FDEP Contamination Locator Map - https://ca.dep.state.fl.us/mapdirect/?focus=contamlocator

FDEP Map Direct – https://ca.dep.state.fl.us/mapdirect/

FDEP OCULUS Database - http://depedms.dep.state.fl.us/Oculus/servlet/login

Database companies

ERS - http://www.reccheck.com/

EDR - http://edrnet.com/



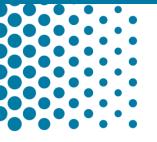


Historical aerial photos:

- Historical Aerials http://edrnet.com/prods/historical-aerial-photos/
- USGS https://www2.usgs.gov/pubprod/aerial.html
- FDOT- http://www.fdot.gov/geospatial/aerialmain.shtm
- County Specific Property Appraiser Website
- Sanborn maps http://edrnet.com/prods/sanborn-maps/







Purpose of the report, Purpose & Need Statement from ETDM Screening Summary report

- Project Description
 - Proposed improvements
 - Project termini
- Land Uses
- Hydrologic Features
- Methods used to perform Level I Assessment
- Brief description of each alternative

- Identification of contaminated sites on a figure or table
- Ensure contaminated site information is presented in the appropriate NEPA documents







Describe the potential contamination issues

- Include table that summarizes findings:
 - Contamination concerns
 - Contamination rating
 - Distance from right-of-Way
 - Other contamination-related information on each property in or adjacent to the project area







• Discussion of potential contamination impacts on the project

 Provide recommendation as to which alternative would have the least potential for contamination impacts



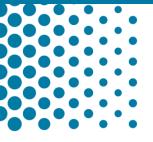


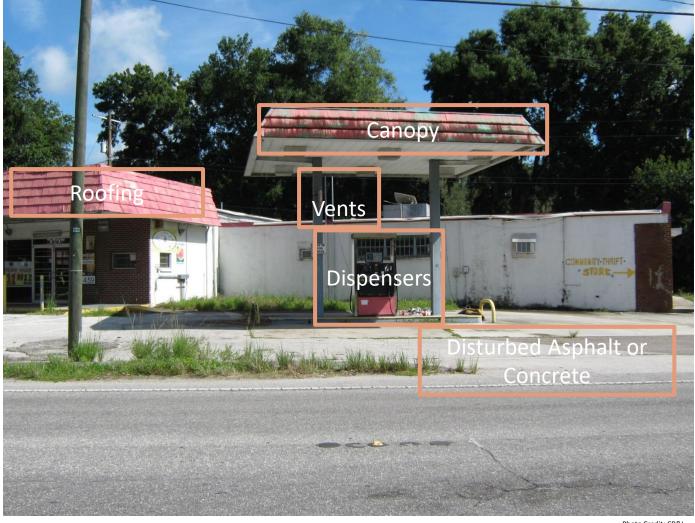
- Figures in the Level I include:
 - Project Location map
 - Land Use map
 - Detailed map showing all potential contamination sites with Low,
 Medium or High ratings

A revised CSER may need to be done if enough time has elapsed or there has been plan changes.















































State Environmental Impact Reports

- SEIRs should summarize the results of the contamination screening evaluation
- the summary should answer the following questions:
 - 1. Are there known or potentially contaminated sites within or near the project area.
 - 2. How did the project avoid or minimize impact to any known or potentially contaminated sites?
 - 3. Are there sites that require additional investigation (i.e. Level II assessment)?
- Upload the CSER or Technical Memorandum, as appropriate, in SWEPT.



