

Municipal Solid Waste Sites / Landfills

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Identification Information:

Citation:

Citation Information:

Originator: Texas Commission on Environmental Quality

Publication Date: 20070418

Title: Municipal Solid Waste Sites / Landfills

Geospatial Data Presentation Form: vector digital data

Online Linkage: <http://www.tceq.state.tx.us/gis/sites.html>

Description:

Abstract:

This layer contains all permitted or registered landfills and associated Municipal Solid Waste (MSW) facilities for the State of Texas as of the publication date shown below. The dataset contains both closed and open landfills. The associated facilities represent various categories including transfer stations, waste processing facilities, and recycling centers. The type of facility is indicated by the Facility Type (FACILITY_T) field. Landfills are represented by Facility Types 1 - 4. Type 2 and 3 are historical facility types that are no longer used for new permits.

The following represents the horizontal accuracy of this dataset:

53% - based on DRGs (12 meter accuracy)

12% - address matching (10-meter accuracy)

35% - Coordinates reported by Operator (accuracy unknown)

Purpose:

General purpose use; to support agency-wide policy decisions regarding municipal

solid waste in the State of Texas.

Supplemental_Information:

For more information about Municipal Solid Waste at TCEQ, please visit the following link: <http://www.tceq.state.tx.us/nav/permits/msw.html>

Time_Period_of_Content:

Time_Period_Information:

Single_Date/Time:

Calendar_Date: 20070418

Currentness_Reference: ground condition

Status:

Progress: In work

Maintenance_and_Update_Frequency: As needed

Spatial_Domain:

Bounding_Coordinates:

West_Bounding_Coordinate: -106.593440

East_Bounding_Coordinate: -93.586100

North_Bounding_Coordinate: 36.494730

South_Bounding_Coordinate: 25.935830

Keywords:

Theme:

Theme_Keyword_Thesaurus: .

Theme_Keyword: landfill

Theme_Keyword: municipal solid waste

Theme_Keyword: permit

Theme_Keyword: registration

Theme_Keyword: open landfill

Theme_Keyword: closed landfill

Access_Constraints: None.

Use_Constraints:

Acknowledgement of the Texas Commission on Environmental Quality is appreciated on any products using this dataset.

Point_of_Contact:

Contact_Information:

Contact_Person_Primary:

Contact_Person: Edward Block

Contact_Organization: TCEQ

Contact_Voice_Telephone: 512-239-6613

Contact_Electronic_Mail_Address: eblock@tceq.state.tx.us

Native_Data_Set_Environment:

Microsoft Windows XP Version 5.1 (Build 2600) Service Pack 2; ESRI ArcCatalog 9.2.4.1420

Data_Quality_Information:

Attribute_Accuracy:

Attribute_Accuracy_Report:

All known attribute errors were fixed during the data review process.

Logical_Consistency_Report: None.

Completeness_Report:

All sites were verified and are consistent the WWC database. 106 outliers were removed from the layer before publication. These bad coordinates will be fixed in subsequent versions and added back to the dataset.

Positional_Accuracy:

Horizontal_Positional_Accuracy:

Horizontal_Positional_Accuracy_Report:

The data were collected from three different sources: DRGs (Digital Raster Graphics / USGS Topos), address matching, and coordinates received from operators. The horizontal accuracies for these sources are as follows.

Quantitative_Horizontal_Positional_Accuracy_Assessment:

Horizontal_Positional_Accuracy_Value: 12 meter (53%)

Horizontal_Positional_Accuracy_Explanation: Digital Raster Graphics (DRGs)

Quantitative_Horizontal_Positional_Accuracy_Assessment:

Horizontal_Positional_Accuracy_Value: 25 meter (12%)

Horizontal_Positional_Accuracy_Explanation: Address Matching

Quantitative_Horizontal_Positional_Accuracy_Assessment:

Horizontal_Positional_Accuracy_Value: unknown (35%)

Horizontal_Positional_Accuracy_Explanation:

Coordinates reported by operator. Method of collection is unknown. These have a HORZ_ACC value of -9999.

Lineage:

Source_Information:

Source_Citation:

Citation_Information:

Originator: USGS

Publication_Date: Unknown

Publication_Time: Unknown

Title: Digital Raster Graphics (1:24k)

Geospatial_Data_Presentation_Form: raster digital data

Source_Scale_Denominator: 24000

Type_of_Source_Media: digital file

Source_Time_Period_of_Content:

Source_Currentness_Reference: publication date

Source_Citation_Abbreviation: USGS

Source_Contribution: Primary reference for locating sites.

Source_Information:

Source_Citation:

Citation_Information:

Originator: Geographic Data Technology (GDT)

Publication_Date: 2002

Title: Geographic Data Technology (GDT) - Roads

Source_Scale_Denominator: 24000

Type_of_Source_Media: digital file

Source_Citation_Abbreviation: GDT

Source_Contribution: secondary source

Process_Step:

Process_Description:

TCEQ contracted with Southwest Texas State University (now Texas State University) to create a closed landfill inventory database. Two DBF files were created: permapp.dbf (permitted landfills) and unum.dbf (unauthorized landfills).

Process_Date: 1999

Process_Step:

Process_Description:

With the assistance of interns, TCEQ created a new version of the layer to include all MSW sites, both active and inactive. A fresh copy of the data was extracted from the WWC (Wastewater Consolidation) database preserving the LOC_GIN field as a key so the data could be tied back to WWC. Geocoding was used to generate new coordinates. Only the highest quality geocoding results were used. The remaining sites were digitized over 1:24K USGS DRGs using a customized ArcGIS application at TCEQ. The previous landfills layer (created by SWT) was used as a reference to locate the sites not captured by the geocoding process.

Process_Date: 2002/2003

Process_Step:

Process_Description:

Staff from the Waste Permits Division (WPD) of TCEQ compared the existing dataset with the WWC database and extracted all additional MSW sites added to the WWC database since 2003. These were added to the MSW Sites layer. The previous version included two separate address fields: one from the WWC database and one that had been collected by the interns. These fields were reconciled by the WPD. Following the update, 166 points were found to be out-of-state. These outliers were removed until they can be fixed in upcoming versions. QAQC was performed on the dataset and several errors were corrected. A duplicative field called TYPE was removed. Metadata was created for the newly revised layer.

Process_Date: 2005/2006

Process_Step:

Process_Description: Metadata imported.

Source_Used_Citation_Abbreviation:

C:\Data\GIS Data\precert\MSW\20061201\Landfills\MSW_Sites.shp.xml

Spatial_Data_Organization_Information:

Direct_Spatial_Reference_Method: Vector

Point_and_Vector_Object_Information:

SDTS_Terms_Description:

SDTS_Point_and_Vector_Object_Type: Entity point

Point_and_Vector_Object_Count: 2611

Spatial_Reference_Information:

Horizontal_Coordinate_System_Definition:

Geographic:

Latitude_Resolution: 0.000000

Longitude_Resolution: 0.000000

Geographic_Coordinate_Units: Decimal degrees

Geodetic_Model:

Horizontal_Datum_Name: North American Datum of 1983

Ellipsoid_Name: Geodetic Reference System 80

Semi-major_Axis: 6378137.000000

Denominator_of_Flattening_Ratio: 298.257222

Entity_and_Attribute_Information:

Detailed_Description:

Entity_Type:

Entity_Type_Label: MSW_Sites

Attribute:

Attribute_Label: FID

Attribute_Definition: Internal feature number.

Attribute_Definition_Source: ESRI

Attribute_Domain_Values:

Unrepresentable_Domain:

Sequential unique whole numbers that are automatically generated.

Attribute:

Attribute_Label: Shape

Attribute_Definition: Feature geometry.

Attribute_Definition_Source: ESRI

Attribute_Domain_Values:

Unrepresentable_Domain: Coordinates defining the features.

Attribute:

Attribute_Label: PROG_ID

Attribute_Definition: Permit or Registration Number of the Facility

Attribute_Definition_Source: TCEQ

Attribute:

Attribute_Label: AMEND

Attribute:

Attribute_Label: LOC_GIN

Attribute:

Attribute_Label: LOC_NAME

Attribute:

Attribute_Label: ADDRESS

Attribute:

Attribute_Label: CITY

Attribute:

Attribute_Label: STATE

Attribute:

Attribute_Label: ZIP

Attribute:

Attribute_Label: ZIP4

Attribute:

Attribute_Label: LAT_DD

Attribute:

Attribute_Label: LONG_DD

Attribute:

Attribute_Label: HORZ_METH

Attribute:

Attribute_Label: HORZ_ACC

Attribute:

Attribute_Label: HORZ_REF

Attribute:

Attribute_Label: HORZ_DATE

Attribute:

Attribute_Label: HORZ_ORG

Attribute:

Attribute_Label: HORZ_DATUM

Attribute:

Attribute_Label: HORZ_DESC

Attribute:

Attribute_Label: TYPE

Attribute:

Attribute_Label: FACILITY_T

Attribute:

Attribute_Label: FACILITY_S

Attribute:

Attribute_Label: PERMIT_STA

Attribute:

Attribute_Label: Facility_T

Attribute_Domain_Values:

Enumerated_Domain:

Enumerated_Domain_Value: 1

Enumerated_Domain_Value_Definition:

Sanitary Landfill, Daily Cover Required (Population Equivalent Served exceeds 5,000 people)

Enumerated_Domain:

Enumerated_Domain_Value: 2

Enumerated_Domain_Value_Definition:

Sanitary Landfill, Weekly Cover Required (Population Equivalent Served is from 1,500 to 5,000 people)

Enumerated_Domain:

Enumerated_Domain_Value: 3

Enumerated_Domain_Value_Definition:

Sanitary Landfill, Monthly Cover Required (Population Equivalent Served is less than 1,500 people)

Enumerated_Domain:

Enumerated_Domain_Value: *AE

Enumerated_Domain_Value_Definition:

Arid Exempt Landfill, simplified liner and cover requirements in areas of low rainfall, Types 1-4 only.

Enumerated_Domain:

Enumerated_Domain_Value: 5

Enumerated_Domain_Value_Definition: Miscellaneous Solid Waste Processing Facility

Attribute:

Attribute_Label: Facility_S

Attribute:

Attribute_Label: Permit_Sta

Attribute:

Attribute_Label: ACCESS_DES

Distribution_Information:

Distributor:

Contact_Information:

Contact_Person_Primary:

Contact_Person: Greg Smithhart

Contact_Organization: Information Resources Division, TCEQ

Contact_Position: GIS Analyst

Contact_Voice_Telephone: 512-239-0859

Contact_Facsimile_Telephone: 512-239-0888

Contact_Electronic_Mail_Address: gsmithha@tceq.state.tx.us

Hours_of_Service: M-F, 9-6

Resource_Description: Downloadable Data

Standard_Order_Process:

Digital_Form:

Digital_Transfer_Information:

Transfer_Size: 0.070

Metadata_Reference_Information:

Metadata_Date: 20080206

Metadata_Contact:

Contact_Information:

Contact_Person_Primary:

Contact_Person: Edward Block

Contact_Organization: Waste Permits Division, TCEQ

Contact_Address:

Address_Type:

REQUIRED: The mailing and/or physical address for the organization or individual.

City: REQUIRED: The city of the address.

State_or_Province: REQUIRED: The state or province of the address.

Postal_Code: REQUIRED: The ZIP or other postal code of the address.

Contact_Voice_Telephone: 512-239-6613

Contact_Electronic_Mail_Address: eblock@tceq.state.tx.us

Metadata_Standard_Name: FGDC Content Standards for Digital Geospatial Metadata

Metadata_Standard_Version: FGDC-STD-001-1998

Metadata_Time_Convention: local time

Metadata_Extensions:

Online_Linkage: <<http://www.esri.com/metadata/esriprof80.html>>

Profile_Name: ESRI Metadata Profile
