FACILITY SITE IDENTIFICATION DATA STANDARD

Standard No.: EX000020.2

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This standard has been produced through the Environmental Data Standards Council (EDSC).

The Environmental Data Standards Council (EDSC) is a partnership among US EPA, States and Tribal partners to promote the efficient sharing of environmental information through the development and adoption of data standards. More information about the EDSC is available at www.envdatastandards.net.

Foreword

The Environmental Data Standards Council (EDSC) identifies, prioritizes, and pursues the creation of data standards for those areas where information exchange standards will provide the most value in achieving environmental results. The Council involves state and federal agencies, tribes and tribal nations in the development of the standards and then provides the draft materials for general review. Business groups, non-governmental organizations, and other interested parties may then provide input and comment for Council consideration and standard finalization. Draft and final standards are available at http://www.envdatastandards.net.

1.0 INTRODUCTION

The purpose of this standard is to identify a facility of environmental interest. Adoption of the standard will help US EPA, Tribes, and States integrate and share facility information across multiple information systems, programs, and governments.

This standard provides for the unique identification of facilities regulated or monitored by US EPA, Tribes, and States. Each facility is assigned a unique facility identification number, which identifies information for the facility specified.

1.1 Scope

This standard provides and describes data groupings that are used to exchange facility site identification data and information.

1.2 Revision History

Date	Version	Description
May 31, 2000	1-19936:1	Initial adoption by the Environmental Data Standards Council.
February 1, 2005	1-189236:2	Added federal facility information, renamed standard, revised format and revised some data element names and definitions.
January 6, 2006	EX000023.2	Assignment of a new data standard number.

1.3 References to Other Data Standards

This data standard relies on other data standards to make it complete and to provide the necessary support. As such, users should reference the normative standards, listed below, and consider them integral to the Facility Site Identification Data Standard.

- Contact Information [EX000019.2] Data Standard
- Latitude/Longitude [EX000017.2] Data Standard
- Standard Industrial Classification (SIC)/North American Industry Classification System (NAICS) [EX000022.2] Data Standard
- Representation of Date and Time [EX000013.1] Data Standard.

1.4 Terms and Definitions

For the purposes of this document, the following terms and definitions apply.

<u>Term</u>	<u>Definition</u>		
Facility	A distinct real property entity (i.e., a man-made object and its surrounding real estate).		
	Note 1. Facilities incorporate the characteristics of being: (1) objects, established at (2) specific places, for (3) specific purposes.		
	Note 2. For the purposes of this standard, a facility can include monitoring stations, waste sites, and other entities of environmental interest that cannot be classified as single facilities.		
Federal Facility	A facility (or the land it occupies that is owned or operated by the Federal Government.		
Facility Registry System	A centrally managed database of authoritative information that identifies facilities that are regulated or of environmental interest to US EPA programs or delegated states.		

1.5 Implementation

Users are encouraged to use the XML registry housed on the Exchange Network Web site to download schema components for the construction of XML schema flows (http://www.exchangenetwork.net).

1.6 Document Structure

The structure of this document is briefly described below:

- a. Section 2.0 Facility Site Identification Diagram, illustrates the principal data groupings contained within this standard.
- b. Section 3.0 Facility Site Data Standards Table, provides detailed information on the high level, intermediate and elemental Facility Site data groupings. Where applicable, for each level of this data standard a definition, XML tag, note(s), example list of values and format are provided. The format column may include the number of characters for the associated data element, where "A" specifies alphanumeric, "N" designates numeric, and "Graphic" designates a diagram or other graphic related binary object.
- c. Data Element Numbering. For purposes of clarity and to enhance understanding of data standard hierarchy and relationships, each data group is numerically classified from the primary to the elemental level.
- d. Code and Identifier Metadata: Metadata, defined here as data about data or data elements, that includes their descriptions and/or any needed context setting information required to identify the origin, conditions of use, interpretation, or understanding the information being exchanged or transferred. (Adapted from ISO/IEC 2382-17:1999 Information Technology Vocabulary—Part 17: Databases 17.06.05 metadata). Based on the business need, additional metadata may be required to sufficiently describe an identifier or a code. A note regarding this additional metadata is included in the notes column for identifier and code elements. Additional metadata for identifiers may include:
 - Identifier Context, which identifies the source or data system that created or defined the identifier

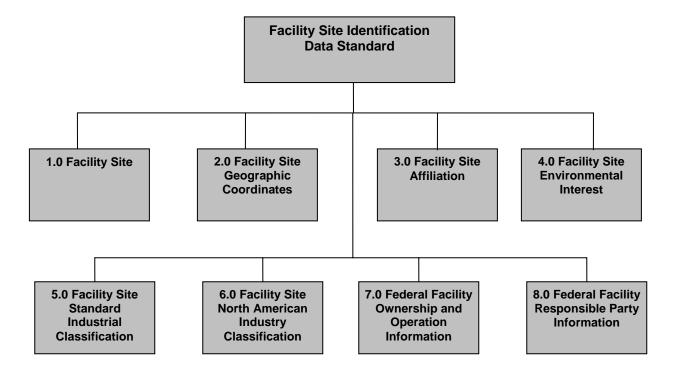
Additional metadata for codes may include:

- Code List Identifier, which is a standardized reference to the context or source of the set of codes
- Code List Version Identifier, which identifies the particular version of the set of codes.

- Code List Version Agency Identifier, which identifies the agency responsible for maintaining the set of codes
- Code List Name, which describes the corresponding name for which the code represents
- e. Appendix A Facility Site Identification Data Structure Diagram, illustrates the hierarchical classification of the facility site data standard. This diagram enables business and technical users of this standard to quickly understand its general content and complexity.
- f. Appendix B, lists the references for Facility Site Identification Data Standard.

2.0 FACILITY SITE IDENTIFICATION DIAGRAM

This diagram specifies the major data groups that may be used to identify the characteristics and/or to catalog a facility site.



3.0 FACILITY SITE DATA STANDARD TABLE

1.0 Facility Site

Definition: Basic identification information for a facility site, including the facility registry identifier, geographic address, and geopolitical

descriptors.

Relationships:

• Each Facility Site may be involved with one or more Affiliation(s).

• Each Facility Site may be classified by one or more Standard Industrial Classification (SIC) codes.

• Each Facility Site may be classified by one or more North American Industry Classification System (NAICS) codes.

• Each Facility Site may be geographically located by one or more Geographic Coordinates.

• Each Facility Site must be monitored by one or more Environmental Interest(s).

Notes: None

XML Tag: FacilitySite

Name	Definition	Notes	Format	XML Tag
1.1 Facility Site Identity	None	None	G	FacilitySiteId entity
1.1.1 Facility Site Identifier	The unique identification number used by US EPA, Tribes or states to identify a facility site.	Based on the business need, additional metadata may be required to sufficiently describe an identifier. This additional metadata is described in Section 1.6—Document Structure.	А	FacilitySiteId entifier
1.1.2 Facility Site Name	The public or commercial name of a facility site (i.e., the full name that commonly appears on invoices, signs, or other business documents, or as assigned by the state when the name is ambiguous).		A	FacilitySiteN ame

Name	Definition	Notes	Format	XML Tag
1.1.3 Facility Site Type Code	The designator that represents the type of site a facility occupies.	Based on the business need, additional metadata may be required to sufficiently describe a code. This additional metadata is listed in 1.6—Document Structure.	А	FacilitySiteTy peCode
1.1.4 Federal Facility Indicator	An indicator identifying facilities owned or operated by a federal governmental unit.	Permissible values: Y (Yes) N (No)	А	FederalFacili tyIndicator
1.2 Facility Site Location Address	The address that describes the physical (geographic) location of the front door or main entrance of a facility site, including urban-style street address or rural address.	Refer to Location Address grouping in the Contact Information [EX000019.2] Data Standard. The following items are expected to define the facility location address information needed for Section 1.2: Location Address Text Supplemental Location Text Locality Name Location Address State Code Address Postal Code Location Address Country Code Location Address County Code Location Tribe Location Description Text	G	FacilitySiteL ocationAddre ss

2.0 Facility Site Geographic Coordinates

Definition: A geographic point, or set of points, defined by latitude and longitude coordinates used to locate a facility site, usually the

front door or centroid, including the associated method, accuracy, and description data.

Relationships: Each Geographic Coordinates occurrence must geographically locate one and only one Facility Site occurrence.

Note 1: There can be multiple Geographic Coordinates associated with a Facility Site, however each instance of a Geographic

Coordinate can only be associated with one Facility Site occurrence.

Note 2: Refer to Geographic Address Data Block in the Latitude/Longitude [EX000017.2] Data Standard

The following items are expected to define the facility geographic coordinates information needed for Section 2.0:

Latitude Measure Longitude Measure

Horizontal Accuracy Measure

Geometric Type

Geometric Type Code Geometric Type Name Horizontal Collection Method

> Horizontal Collection Method Code Horizontal Collection Method Text

Horizontal Reference Datum

Horizontal Reference Datum Code Horizontal Reference Datum Name

Reference Point

Reference Point Code Reference Point Text

XML Tag: FacilitySiteGeographicCoordinates

3.0 Facility Site Affiliation

Definition: The relationship between a facility site and an organization and/or an individual person.

Relationships:

• Each Affiliation occurrence must be established with one and only one Facility Site occurrence.

• Each Affiliation occurrence may involve one and only one Organization occurrence.

Each Affiliation occurrence may involve one and only one Individual occurrence.

Each Affiliation occurrence may receive mail at one and only one Mailing Address occurrence.

Note 1: There is no requirement that the affiliation must exist; however, if an affiliation exists, it must be associated with one and only

one Facility Site.

Note 2: An Organization may participate with multiple Facility Sites.

Note 3: Each type of affiliation can exist more than once for a facility site; thus, there can be two occurrences of the Legally Responsible

Entity affiliation type with a Facility Site.

XML Tag: FacilitySiteAffiliation

Name	Definition	Notes	Format	XML Tag
3.1 Facility Site Affiliation Point of Contact		Note 1: Refer to Point of Contact Data grouping in the Contact Information [EX000019.2] Data Standard. The following items are expected to define the facility affiliation point of contact information needed for Section 3.1.	G	FacilitySiteAf filiationPoint OfContact
	information about a given	Organization		
	facility.	Organization Identifier Organization Formal Name Individual Individual Identifier Individual Title Text Individual Prefix Text Individual Full Name Name Suffix Text Affiliation Affiliation Type		
		Affiliation Start Date Affiliation End Date		
		Affiliation Status		

Name	Definition	Notes	Format	XML Tag
		Affiliation Status Determination Date Note 2: Example List of Values for Affiliation For organizations: Legally Responsible Entity Legal Operator Waste Treater Waste Handler Land Owner Parent Corporation For individuals: Report Certifier, Regulatory Contact, Public Contact		
3.2 Facility Site Affiliation Mailing Address	The standard address used to send mail to an individual or organization affiliated with the facility site.	Refer to Mailing Address data group in the Contact Information [EX000019.2] Data Standard. The following items are expected to define the facility site affiliation mailing address information needed for Section 3.2. Mailing Address Text Supplemental Address Text Mailing Address City Name Mailing Address State Code Address Postal Code Mailing Address Country Code	G	FacilitySiteAf filiationMailin gAddress

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4.0 Facility Site Environmental Interest

Definition: The environmental permits and regulatory programs that apply to the facility site.

Relationships: Each Environmental Interest occurrence must apply to one and only one Facility Site occurrence.

Notes: None

XML Tag: FacilitySiteEnvironmentalInterest

Name	Definition	Notes		Format	XML Tag
4.1 Environmental Interest Type	The environmental permit or	Example List of Values:		А	Environment allnterestTyp
Text	regulatory program that	Value	Meaning		eText
	applies to the facility site.	TRI Report	Toxic Release Inventory Report		o i oxi
		NPDES Major	Clean Water Act NPDES Major		
		NPDES Minor	Clean Water Act NPDES Minor		
		NPDES General Permit	Clean Water Act NPDES General Permit		
		NPDES Stormwater Permit	Clean Water Act NPDES Stormwater Permit		
		NPDES Other Permit	Clean Water Act NPDES Other Permit		
		Pretreatment SIU	Clean Water Act Pretreatment Significant Industrial User		
		SS Major	Clean Air Act Stationary Source Major		
		SS Synthetic Minor	Clean Air Act Stationary Source Synthetic Minor		
		SS NESHAP Minor	Clean Air Act Stationary Source		
		NESHAP Minor			
		SS Other Minor	Clean Air Act Stationary Source Other Minor		
		RMP Facility	Clean Air Act RMP Facility		
		TSD	Hazardous Waste Handler - Treatment, Storage, Disposal		

Name	Definition		Notes	Format	XML Tag
		LQG (US EPA Defined)	(TSD) Hazardous Waste Handler – Large Quantity Generator (LQG), as defined by US EPA		
		LQG (State Defined)	Hazardous Waste Handler – Large Quantity Generator (LQG), as defined by State		
		SQG	Hazardous Waste Handler – Small Quantity Generator (SQG) Spill Control		
		Plan	Oil Pollution Act Spill Control Plan		
		UIC	Underground Injection Control Well (UIC)		
		UST	Underground Storage Tank (UST)		
		Remarks: This list will be exvalues for additional interes	xpanded as necessary to include sts.		
4.2 Environmental Interest Start Date	Date that US EPA, Tribe or State became interested in the facility site for a particular environmental interest type.	Refer to the Representat [EX000013.1] Data Stand		D	Environment alInterestSta rtDate
4.3 Environmental Interest End Date	Date that US EPA, Tribe or State ceased to be interested in the facility site for a particular environmental interest type.	Refer to the Representat [EX000013.1] Data Stand		D	Environment alInterestEn dDate
4.4 Environmental Interest Start Date Qualifier Text	The qualifier that specifies the meaning of the date being used as an approximation for the environmental interest start date.	Example List of Values: Date of first repor Date operations of Date of permit ap Date permit issue Date monitoring s	commenced plication ed	A	InterestStart DateQualifie rText
4.5 Environmental Interest End	The qualifier that specifies the meaning of the date being	Example List of Values: Date of last repor	t	А	InterestEnd DateQualifie

Name	Definition	Notes	Format	XML Tag
Date Qualifier Text	used as an approximation for the environmental interest end date.	Date permit ended Date operations ended		rText
4.6 Environmental Information System Abbreviated Name	The abbreviated name that represents the name of an environmental information management system for an environmental program.		A	InformationS ystemAbbre viatedName
4.7 Environmental Information System Identification Number	The identification number, such as the permit number, assigned by an information management system that represents a facility site, waste site, operable unit, or other feature tracked by that environmental information management system.		A(30)	InformationSy stemIdentifier

5.0 Facility Site Standard Industrial Classification

Definition: The Standard Industrial Classification (SIC), or type of business activity occurring at the facility site.

Relationships: Each Standard Industrial Classification occurrence must classify one and only one Facility Site occurrence.

Notes: None XML Tag: FacilitySIC

	Name	Definition		Notes	Format	XML Tag
	Standard Industrial Classification Code	The code that represents the economic activity of a company. (4-digits).	This references the Standard Industrial Classification Code element from the SIC/NAICS [EX000022.2] Data Standard.		N	SICCode
5.2	5.2 SIC Primary Indicator The name that indicates whether	Example List of Values:		А	SICPrimaryl	
	•	the associated SIC Code	Value	Meaning		ndicator
		represents the primary activity occurring at the facility site.	Primary	The SIC Code represents the primary activity occurring at the facility site.		
		Secondary	The SIC Code represents a secondary activity occurring at the facility site.			
			Unknown	It is not known whether the SIC Code represents the primary or secondary activity at the facility site.		

6.0 Facility Site North American Industry Classification

Definition: The North American Industry Classification System (NAICS) code, or type of industrial activity occurring at the facility site.

Relationships: Each Standard Industrial Classification occurrence must classify one and only one Facility Site occurrence.

Notes: None

XML Tag: FacilityNAICS

	Name	Definition		Notes	Format	XML Tag
6.1	North American Industry Classification System Code	The NAICS code that represents a subdivision of an industry that accommodates user needs in the United States (6-digits).	Refer to NAICS in the Standard Industrial Classification (SIC)/North American Industry Classification System (NAICS) [EX000022.2] Data Standard The following item is expected to define the facility North American Industry Classification System information needed for Section 6.1: North American Industry Classification System (NAICS) code		Z	NAICSCode
6.2	NAICS Primary Indicator	The name that indicates	Example List	of Values:	Α	NAICSPrimar
		whether the associated NAICS	Value	Meaning		yIndicator
		code represents the primary activity occurring at the facility	Primary	The NAICS code represents the primary activity occurring at the facility site.		
	Sile.	site.	Secondary	The NAICS code represents a secondary activity occurring at the facility site.		
			Unknown	It is not known whether the NAICS code represents the primary or secondary activity at the facility site.		

7.0 Federal Facility Ownership and Operation Information

Definition: Provides information about the legal right of possession or proprietorship.

Relationships:

Facility Operation Type Name has an associated Facility Operation Type Code

• Facility Ownership Type Name has an associated Facility Ownership Type Code

• Facility Land Ownership Name has an associated Facility Land Ownership Code

Notes: All data elements in this group were added from the Federal Facility Data Standard. The Federal Facility Data Standard is

completely incorporated in the Facility Site Data Standard.

XML Tag: FederalFacilityOwnershipOperationInformation

	Name	Definition	Notes	Format	XML Tag
7.1	Facility Ownership Type Code	The code of the type of ownership of a facility.	Example List of values: F (Federal) S (State) C (County) P (Private) T (Tribal) M (Municipal) D (District) O (Other) U (Unknown) X (Not identified) Based on the business need, additional metadata may	A	FacilityOwn ershipTypeC ode
			be required to sufficiently describe a code. This additional metadata is listed in Section 1.6—Document Structure.		

Name	Definition	Notes	Format	XML Tag
7.2 Facility Operation Type Code	The code that represents the type of party that operates a facility.	Example List of Values: F (Federal) S (State) C (County) P (Private) T (Tribal) M (Municipal) D (District) O (Other) U (Unknown) X (Not identified)	A	FacilityOper ationTypeCo de
		Based on the business need, additional metadata may be required to sufficiently describe a code. This additional metadata is listed in Section 1.6—Document Structure.		
7.3 Facility Land Ownership Code	The code that represents the name indicating the ownership of the land on which the facility is located.	Example List of Values: F (Federal) S (State) C (County) P (Private) T (Tribal) M (Municipal) D (District) O (Other) U (Unknown) X (Not identified)	A	FacilityLand OwnershipC ode
		Based on the business need, additional metadata may be required to sufficiently describe a code. This additional metadata is listed in Section 1.6—Document Structure.		

8.0 Federal Facility Responsible Party Information

Definition: Provides information about the federal agency primarily responsible (i.e., ownership or operation) for a facility.

Relationships:

• Facility Responsible Agency Name or Code must be associated with Facility Responsible Agency Type Name or Code.

Notes:

All data elements in this group were added from the Federal Facility Data Standard. The Federal Facility Data Standard is

completely incorporated in the Facility Site Data Standard.

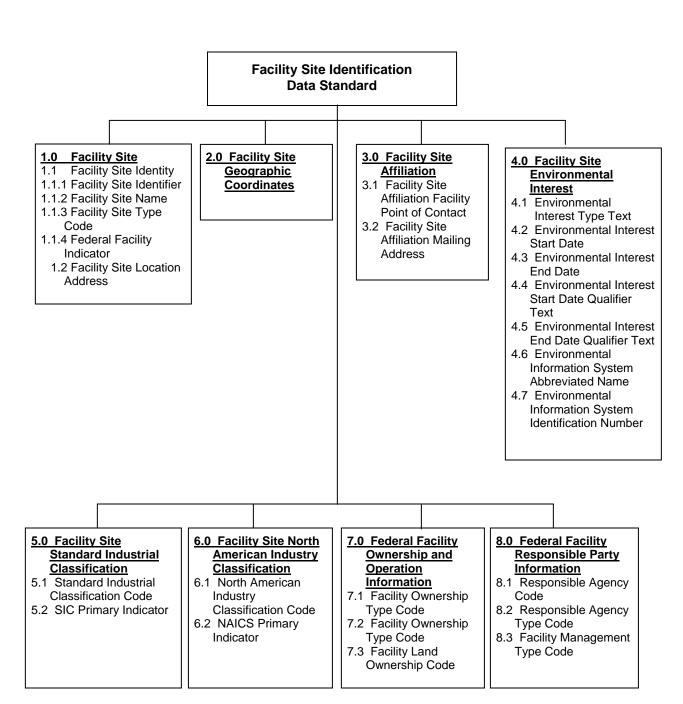
XML Tag: FederalFacilityResponsiblePartyInformation

Name	Definition	Notes	Format	XML Tag
8.1 Responsible Agency Code	The code that represents the name of the federal agency primarily responsible (i.e., ownership or operation) for a facility.	Example List of Values: USDHS (United States Department of Homeland Security) USDHS-USCG (United States Coast Guard) USDA (United States Department of Agriculture) USDA-USFS (United States Forest Service) USDA-FDA (Food and Drug Administration) USDOC (United States Department of Commerce) USDOC-NOAA (National Oceanic and Atmospheric Administration) USDOC-NIST (National Institute for Science and Technology) USDOD (United States Department of Defense) USDOD-USAF (United States Air Force) USDOD-USA (United States Army) USDOD-USMC (United States Marines Corps) USDOD-USN (United States Marines Corps) USDOD-USN (United States Navy) USDOD-USACE (United States Army Corps of Engineers) USDOD-NIMA (National Imagery and Mapping Agency USEDU (United States Department of Education) USDOE (United States Department of Energy) USDOE-NNSA (National Nuclear Security Administration) USDOE-PA (Power Administration) USHHS (United States Department of Health and	A	Responsible AgencyCod e

Name	Definition	Notes	Format	XML Tag
		Human Services) USHUD (United States Department of Housing and Urban Development) USDOI (United States Department of the Interior) USDOI-BIA (Bureau of Indian Affairs) USDOI-NPS (National Park Service) USDOI-BLM (Bureau of Land Management) USDOI-BOR (Bureau of Reclamation) USDOI-BOM (Bureau of Mining) USDOI-FW (Fish and Wildlife Service) USDOI-USGS (United States Geological Survey) USDOJ (United States Department of Justice) USLABOR (United States Department of State) USDOT (United States Department of Transportation) USDOT-FAA (Federal Aviation Administration) USTREASURY (United States Department of the Treasury) USVA (United States Department of Veteran Affairs) USEPA (United States Environmental Protection Agency) USGSA (United States General Services Administration) USNASA (United States National Aeronautics and Space Administration) USAMTRAK (United States National Railroad Passenger Corporation) USTVA (United States Tennessee Valley Authority) USPS (United States Small Business Administration) Based on the business need, additional metadata may be required to sufficiently describe a code. This additional metadata is listed in Section 1.6—Document Structure.		

Name	Definition	Notes	Format	XML Tag
8.2 Responsible Agency Type Code	The code that represents the name of the type of federal agency primarily responsible for a facility.	Permissible values: C (Civilian) M (Military)	A	Responsibl eAgencyTy peCode
8.3 Facility Management Type Code	The code representing the name of the type of operation management currently at a facility.	Example List of Values: GOGO (Government-owned government-operated) GOCO (Government-owned contractor-operated) GOPO (Government-owned privately-operated) COCO (Contractor-owned contractor-operated) COCO(E) (Contractor-owned contractor-operated with government owned equipment) POGO (Privately-owned government-operated) PRMT (Permittee) LESE (Leasee) GRTE (Grantee) CLAM (Claimant) PH (Patent Holder) WPUB (Withdrawn from Public Use) FUDS (Formerly used defense site) FUSRAP (Formerly used sites remedial action program) FT (Federal Trustee) BRAC (Base Realignment and Closure) CTT (Closed, Transferred or Transferring) OC (Otherwise Classified) Based on the business need, additional metadata may be required to sufficiently describe a code. This additional metadata is listed in Section 1.6—Document Structure.	A	FacilityMana gementType Code

APPENDIX A Facility Site Identification Data Structure Diagram



APPENDIX B References

- 1. Clinger-Cohen Act of 1996 (formerly the Information Technology Management Reform Act of 1996).
- 2. OMB Circular No. A-130, Management of Federal Information Resources, February 8, 1996.
- 3. Office of Management and Budget Circular A-119, Federal Participation in the Development and Use of Voluntary Consensus Standards, February 10, 1998.
- 4. Facility Identification Template for States (FITS): Working Guidelines for Integrating Facility Identification Information. Report sponsored by the Environmental Council of States, United States EPA One Stop Program and the Washington Department of Ecology. December 15, 1997.
- Facility Identification Template for States (FITS) Version 2: Working Guidelines for Integrating Facility
 Identification Information. Prepared for State Environmental Agencies, sponsored by Knowledge
 Transfer Action Team of the State/EPA Information Management Workgroup, Washington Department
 of Ecology, Environmental Council of States, and United States EPA One Stop Reporting Program.
 February, 2000.
- 6. Data Content Standard for Location and Identification of Facilities, Federal Geographic Data Committee (FGDC), Public Review Draft, November 1997.
- 7. ISO/IEC 2382-17:1999 Information Technology Vocabulary—Part 17: Databases 17.06.05.