

**Federal Geographic Data Committee
Environmental Hazards Data Content Standard - Appendix A -
Environmental Hazards Feature Types**

28-Aug-98

FEATURE CATEGORY	FEAUTURE TYPE NAME	FEATURE OBJECT TYPE	FEATURE TYPE DEFINITION
Air Pollution	air emissions source point	Point	A specific point where an air emission originates (e.g., one chimney).
	air emissions source site	Point/Polygon	A defined area where several air emissions or air pollution originates (e.g., several chimneys).
	air pollution isoline area	G/GT Polygon	Line on either a two or three dimensional plane in the air which represents a constant measured or modeled pollution chemical constituent value (e.g., concentration).
	air pollution plume area	G/GT Polygon	Line on either a two or three dimensional plane in the air which represents a constant measured or modeled pollution chemical constituent value (e.g., concentration) considered to be dangerous to the environment.
	air quality monitoring station point	Point	Equipment installed at a predetermined location for the automatic or manual periodic collection of environmental air samples.
	chemical waste polluted air area	G/GT Polygon	Area where chemical waste residues are present in the air at concentrations considered to be detrimental to the environment.

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Air Pollution	medical waste polluted air area	G/GT Polygon	Area where medical waste residues are present in the air at concentrations considered to be detrimental to the environment.
	mixed waste polluted air area	G/GT Polygon	Area where mixed (i.e. radioactive & chemical) waste residues are present in the air at concentrations considered to be detrimental to the environment.
	petroleum waste polluted air area	G/GT Polygon	Area where waste product residues composed of petroleum based fuels, lubricants, or products are present in the air.
	radioactive waste polluted air area	G/GT Polygon	Area where radioactive waste residues are present in the air at concentrations considered to be detrimental to the environment.
Environmental Safety & Health	building with environmental concern	Point/Polygon	Site of building or structure which contains one or more building environmental hazards or concerns (e.g., asbestos containing materials, lead paint, radon, etc.).
	contamination reduction zone area	G/GT Polygon	A designated area where contaminants are removed from workers, and equipment prior to their exit from a polluted site.
	decontamination line	String/Chain	A line located within the contamination reduction zone where workers and equipment progress for sequential cleaning and removal of contaminants.
	emergency eyewash point	Point	A fixture or apparatus whose purpose is to flush the eyes of workers with potable water in the event of an accident.

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Environmental Safety & Health	emergency shower point	Point	A fixture or apparatus whose purpose is to apply potable water to the entire body of a worker in the event of an accident.
	environmental hazards site	Point/Polygon	A site or area where one or more environmental hazards features or concerns have been identified or suspected.
	environmental regulated facility site	Point/Polygon	A facility or site permitted by one or more environmental regulatory authorities which is subject to compliance with one or more environmental regulations
	equipment decontamination pad point	Point	A designated area or structure located within the contamination reduction zone where large equipment is cleaned and decontaminated.
	hazards exclusion zone area	G/GT Polygon	A designated area which contains contaminants at concentrations considered hazardous for personnel or workers not wearing personal protection equipment.
	hazards onsite command post point	Point	An onsite (usually temporary) building, structure, or area where environmental hazard investigation, response, or remediation activities are coordinated and managed.
	hazards potential release point	Point	Location of an item which has been identified as a potential spill, emission, or pollution release source.
	hazards seasonal restriction area	G/GT Polygon	An area where access is restricted due to environmental hazards or safety reasons.

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Environmental Safety & Health	hazards site information center point	Point	An onsite (usually temporary) building, structure, or area where information concerning an environmental hazard investigation, response, or remediation activity is maintained for review or dissemination to the public and visitors.
	hazards staging area	G/GT Polygon	A designated area outside the contamination reduction zone where environmental hazard investigation, response, or remediation equipment is assembled, stored, or maintained.
	hazards support zone area	G/GT Polygon	A designated area outside the contamination reduction zone where environmental hazard investigation, response, or remediation support operations take place.
	pollution source point	Point	Point of origin of a chemical, radioactive, medical, or mixed waste discharge or spill which results in pollution to the environment.
	spill containment feature area	G/GT Polygon	Device or feature prepositioned or constructed at a potential spill/release location for the purpose of containing a potential spill. This includes the orientation of booms on the water and fixed berms on the land.
	spill containment tank point	Point	Receptacle or chamber constructed at a potential spill/release location for the purpose of containing a potential spill.
	spill response feature point	Point	Equipment, measures, or preventative devices to be used in response to a spill emergency.
	spill response staging area	G/GT Polygon	Location of prepositioned equipment that is used to respond to a spill or release.

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Environmental Safety & Health	washdown water tank point	Point	A receptacle for collecting water from equipment cleaning and decontamination operations.
Groundwater Pollution	chemical waste polluted groundwater area	G/GT Polygon	Area where chemical waste residues are present in the groundwater at concentrations considered to be detrimental to the environment.
	groundwater pollution isoline area	G/GT Polygon	Line on either a two or three dimensional plane in the groundwater which represents a constant measured or modeled pollution chemical constituent value (e.g., concentration).
	groundwater pollution plume area	G/GT Polygon	Line on either a two or three dimensional plane in the groundwater which represents a constant measured or modeled pollution chemical constituent value (e.g., concentration) considered to be dangerous to the environment.
	groundwater quality monitoring station point	Point	Equipment installed at a predetermined location for the automatic or manual periodic collection of environmental groundwater samples.
	medical waste polluted groundwater area	G/GT Polygon	Area where medical waste residues are present in the groundwater at concentrations considered to be detrimental to the environment.
	mixed waste polluted groundwater area	G/GT Polygon	Area where mixed (i.e. radioactive & chemical) waste residues are present in the groundwater at concentrations considered to be detrimental to the environment.
	petroleum waste polluted groundwater area	G/GT Polygon	Area where waste product residues composed of petroleum based fuels, lubricants, or products are present in the groundwater.

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Groundwater Pollution	radioactive waste polluted groundwater area	G/GT Polygon	Area where radioactive waste residues are present in the groundwater at concentrations considered to be detrimental to the environment.
Hazardous Waste Remediation	environmental restoration site	Point/Polygon	An environmental site where chemicals are present in concentrations which warrant a corrective action.
	field sample collection location point	Point	The physical location at which one or more environmental hazards field samples are collected.
	hazards operable unit area	G/GT Polygon	One or more areas possessing environmental contamination characteristics which are amenable to the same type of remediation, treatment, or management procedure.
	hazards remediation excavation area	G/GT Polygon	The area where contaminated soil, buried drums, buried tanks, etc. are to be, or have been, excavated and removed.
	hazards potential concern site	Point/Polygon	A site of suspected environmental contamination.
	hazards temporary stockpile area	G/GT Polygon	A designated area for the temporary stockpiling of contaminated soil.
	National Priority List Site	Point/Polygon	A Superfund Site which has been designated by the Environmental Protection Agency to be on the National Priority List for cleanup of hazardous waste.

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Hazardous Waste Remediation 	polluted area of concern	G/GT Polygon	The defined area of a polluted area of concern located within an environmental hazards site.
	remediation incinerator point	Point	The location of a pollution remediation incinerator.
	remediation thermal desorption unit point	Point	The location of a pollution remediation thermal desorption unit.
	Superfund site	Point/Polygon	A site designated by the Environmental Protection Agency as an abandoned or uncontrolled hazardous waste site.
Munitions & Ordnance Waste 	biological warfare waste area	G/GT Polygon	Area where biological warfare waste residues are present or buried in the water, soil, or sediment.
	chemical warfare waste area	G/GT Polygon	Area where chemical warfare waste residues are present or buried in the water, soil, or sediment.
	magnetometer detection point	Point	Location where the possible presence of subsurface munitions, tanks, drums, and other features are detected using a magnetometer or similar instrument.
	munition waste disposal area	G/GT Polygon	Location where munitions waste (conventional, chemical, or biological) has been disposed of (e.g., pit, buried containers, etc.).

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Munitions & Ordnance Waste	ordnance explosive waste area	G/GT Polygon	Area where ordnance and explosive waste residues are present or buried in the water, soil, or sediment.
Sediment Pollution	chemical waste polluted sediment area	G/GT Polygon	Area where chemical waste residues are present in the sediment at concentrations considered to be detrimental to the environment.
	medical waste polluted sediment area	G/GT Polygon	Area where medical waste residues are present in the sediment at concentrations considered to be detrimental to the environment.
	mixed waste polluted sediment area	G/GT Polygon	Area where mixed (i.e. radioactive & chemical) waste residues are present in the sediment at concentrations considered to be detrimental to the environment.
	petroleum waste polluted sediment area	G/GT Polygon	Area where waste product residues composed of petroleum based fuels, lubricants, or products are present in the sediment.
	radioactive waste polluted sediment area	G/GT Polygon	Area where radioactive waste residues are present in the sediment at concentrations considered to be detrimental to the environment.
	sediment pollution isoline area	G/GT Polygon	Line on either a two or three dimensional plane in the sediment which represents a constant measured or modeled pollution chemical constituent value (e.g., concentration).
	sediment pollution plume area	G/GT Polygon	Line on either a two or three dimensional plane in the sediment which represents a constant measured or modeled pollution chemical constituent value (e.g., concentration) considered to be dangerous to the environment.

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Soil Pollution	chemical waste polluted soil area	G/GT Polygon	Area where chemical waste residues are present in the soil at concentrations considered to be detrimental to the environment.
	medical waste polluted soil area	G/GT Polygon	Area where medical waste residues are present in the soil at concentrations considered to be detrimental to the environment.
	mixed waste polluted soil area	G/GT Polygon	Area where mixed (i.e. radioactive & chemical) waste residues are present in the soil at concentrations considered to be detrimental to the environment.
	petroleum waste polluted soil area	G/GT Polygon	Area where waste product residues composed of petroleum based fuels, lubricants, or products are present or buried in the soil.
	radioactive waste polluted soil area	G/GT Polygon	Area where radioactive waste residues are present in the soil at concentrations considered to be detrimental to the environment.
	soil pollution isoline area	G/GT Polygon	Line on either a two or three dimensional plane in the soil which represents a constant measured or modeled pollution chemical constituent value (e.g., concentration).
	soil pollution plume area	G/GT Polygon	Line on either a two or three dimensional plane in the soil which represents a constant measured or modeled pollution chemical constituent value (e.g., concentration) considered to dangerous to the environment.
Solid Waste	ash monofill area	G/GT Polygon	Receptacle where residue from an incinerator or similar combustion process is placed.

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Solid Waste	landfill cell area	G/GT Polygon	Excavated or constructed receptacle used for the disposal of solid waste.
	landfill collection pipe line	String/Chain	Pipe for capturing and conveyance of landfill leachate and/or gas to a location for treatment or management.
	landfill gas collection well point	Point	Shaft drilled in the earth for the purpose of collecting and conveying gas from underneath a landfill to the ground's surface.
	landfill gas flare station point	Point	Device creating a vacuum on the gas collection system bringing the collected gas to a flare where it can be safely combusted.
	landfill gas monitoring probe point	Point	Shaft placed along the perimeter of a landfill, in native soil, to detect escaping gas before it poses a threat to the adjacent environment.
	landfill gas transport compressor point	Point	Device for introducing pressurized air into a landfill gas collection system for the purpose of conveying collected gas to a gas flare station.
	landfill gas treatment plant point	Point	Device or equipment used to reduce contaminants in landfill gas to acceptable levels prior to discharge to the gas flare or environment.
	landfill leachate collection sump point	Point	Receptacle receiving landfill leachate collected by collection piping.

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Solid Waste	landfill leachate pump point	Point	A mechanical device that draws material into itself through an entrance port and forces the material out through an exhaust port.
	landfill leachate treatment plant point	Point	Device or equipment used to reduce contaminants in landfill leachate to acceptable levels prior to discharge to the environment or disposal.
	landfill runoff drain line	String/Chain	Ditch or piping system used for collecting and transporting landfill surface drainage to a monitoring and control location.
	landfill runoff retention area	G/GT Polygon	Receptacle or reservoir where landfill surface runoff is collected and sampled to determine environmental quality prior to disposal or discharge to the environment.
	landfill transport pipe line	String/Chain	Piping system for conveying pumped or pressurized landfill gas and/or leachate from a compressor or pump to a treatment system, gas flare station, or collection receptacle.
	solid waste compactor point	Point	A receptacle or structure containing a device which compresses solid waste.
	solid waste composting facility point	Point	A receptacle or structure specifically designed and operated for the purpose of reducing solid waste to decayed organic matter.
	solid waste dump area	G/GT Polygon	Any discernible unit at which solid wastes have been discarded or disposed of at any time, which was not specifically designed, managed, and/or permitted for such purpose.

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Solid Waste	solid waste incinerator point	Point	Furnace or container for disposal of solid waste by burning at high temperature.
	solid waste landfill area	G/GT Polygon	A facility or site, permitted by a regulatory authority, which is specifically designed and managed for the land disposal of solid waste.
	solid waste material recovery facility point	Point	A receptacle or structure where solid waste materials are collected for recycling.
	solid waste stockpile area	G/GT Polygon	Area used for short term collection and storage of solid waste prior to its transfer to a disposal or treatment facility.
	solid waste transfer station point	Point	Area or structure where solid waste is transferred from a collection truck or receptacle to another truck or receptacle for transporting to a disposal or treatment facility.
Surface Water Pollution	chemical waste polluted surface water area	G/GT Polygon	Area where chemical waste residues are present in the surface water at concentrations considered to be detrimental to the environment.
	medical waste polluted surface water area	G/GT Polygon	Area where medical waste residues are present in the surface water at concentrations considered to be detrimental to the environment.
	mixed waste polluted surface water area	G/GT Polygon	Area where mixed (i.e. radioactive & chemical) waste residues are present in the surface water at concentrations considered to be detrimental to the environment.

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Surface Water Pollution	nonpoint source pollution area	G/GT Polygon	Broad area which contributes pollution to the environment (e.g., agricultural cropland).
	petroleum waste polluted surface water area	G/GT Polygon	Area where waste product residues composed of petroleum based fuels, lubricants, or products are present in the surface water.
	radioactive waste polluted surface water area	G/GT Polygon	Area where radioactive waste residues are present in the surface water at concentrations considered to be detrimental to the environment.
	surface water pollution isoline area	G/GT Polygon	Line on either a two or three dimensional plane in the surface water which represents a constant measured or modeled pollution chemical constituent value (e.g., concentration).
	surface water pollution plume area	G/GT Polygon	Line on either a two or three dimensional plane in the surface water which represents a constant measured or modeled pollution chemical constituent value (e.g., concentration) considered to dangerous to the environment.
	surface water quality monitoring station	Point	Equipment installed at a predetermined location for the automatic or manual periodic collection of samples for monitoring the environmental quality of surface water.
Tanks, Hazardous Materiel, & Hazardous Waste	regulated aboveground storage tank point	Point	A receptacle or chamber used for storing bulk fuels or chemicals of which 90 percent or more is located above the surface of the ground.
	regulated storage tank farm area	G/GT Polygon	A defined or bounded geographical area where regulated storage tanks are located.

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Tanks, Hazardous Materiel, & Hazardous Waste	regulated underground storage tank point	Point	A receptacle or chamber used for storing bulk fuels or chemicals of which 10 percent or more is located beneath the surface of the ground.
Tanks, Hazardous Materiel, & Hazardous Waste	contained hazmat storage area	G/GT Polygon	A defined or bounded geographical area designated and used for the storage of contained hazardous materials.
	contained hazmat storage building point	Point	The location of a building designated for the storage of contained hazardous materials.
	contained hazwaste storage area	G/GT Polygon	A defined or bounded geographical area designated and used for the storage of contained hazardous materials and/or contained hazardous waste.
	contained hazwaste storage building point	Point	A building or structure which is designated and used for the storage of contained hazardous waste.
	contained pcb	Point	The location of contained polychlorinated biphenyls (e.g., electrical transformers, etc.).
	hazardous materiel storage area	G/GT Polygon	A defined area designated for the storage of contained hazardous materials.
	hazardous materiel storage room	Point	The location of a room designated for the storage of contained hazardous materials.

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Tanks, Hazardous Materiels, & Hazardous Waste	hazardous materiels storage vault	Point	The location of a secured vault or cabinet designated for the storage of contained hazardous materiels.
	hazardous waste disposal area	G/GT Polygon	A location which has been used for the disposal of hazardous waste (e.g., pit, buried drums, etc.).
	hazardous waste storage room	Point	The location of a room designated for the storage of contained hazardous waste.
	hazardous waste storage vault	Point	The location of a secured vault or cabinet designated for the storage of contained hazardous waste.