



Definitions Glossary

Terms used in KC Water's Industrial Pretreatment Program

1. Purpose and How to Use This Glossary

This glossary consolidates the terms used across the KC Water Industrial Pretreatment Program (IPP) — in Chapter 60, Article IV of the Kansas City Code of Ordinances; in the federal General Pretreatment Regulations at 40 CFR Part 403; in wastewater discharge permits; and in guidance documents published by the Regulatory Compliance Division.

This glossary is a reader's aid. It is not itself an ordinance, regulation, or permit. Where a definition here differs from the definition in the authoritative source, the authoritative source controls. Definitions in Chapter 60 control locally within Kansas City, Missouri; definitions in 40 CFR Part 403 control where a federal categorical or general pretreatment requirement applies.

2. Definitions

Terms are listed alphabetically. Definitions summarize the source identified in the entry; consult Chapter 60 or the federal regulations for the complete requirements.

Accidental / Slug Discharge Control Plan (ASDCP)	A facility plan describing potential accidental or slug discharges, prevention and containment measures, staff responsibilities, response procedures, and notification contacts. See KC Water ASDCP Guidance.
Act	The federal Clean Water Act (33 U.S.C. §§ 1251 et seq.), as amended.
Applicable Pretreatment Standard	Any Pretreatment Standard or Requirement that applies to an Industrial User, including federal categorical standards, KC Water Local Limits, and any provisions of Chapter 60 or of the Industrial User's wastewater discharge permit.
Approval Authority	The Director of the Missouri Department of Natural Resources, in a state approved to administer the National Pretreatment Program, or otherwise the Administrator of the U.S. Environmental Protection Agency. See 40 CFR Part 403.
Authorized Representative	A person eligible to sign Industrial User submittals under Chapter 60 and applicable federal requirements: a responsible corporate officer or qualified facility manager, general partner or proprietor, qualifying governmental signatory under local authority, or a duly authorized representative. Written delegation may cover overall facility operation or overall environmental responsibility for the company. See the Signatory Authority Delegation Form for the complete qualifications.



Baseline Monitoring Report (BMR)	The initial report of facility information, applicable categorical standards, representative flow and pollutant data, and a qualified-professional compliance certification required under 40 CFR Part 403. For existing categorical users, the BMR is due within 180 days after the categorical standard becomes effective or a category determination is made, whichever is later. New sources, and sources becoming Industrial Users after an applicable standard is promulgated, submit at least 90 days before beginning discharge. Submit the BMR information with the SIU permit application.
Batch Discharge	A discharge released to the POTW at intervals from a tank, container, or intermittent process, as distinguished from a continuous flow. A batch discharge that has the potential to cause Interference or Pass Through is a Slug Discharge.
Best Management Practices (BMPs)	Schedules of activities, prohibitions of practices, maintenance procedures, and other management practices to prevent or reduce the pollution of waters. BMPs also include treatment requirements, operating procedures, and practices to control plant site runoff, spillage or leaks, sludge or waste disposal, or drainage from raw materials storage. See 40 CFR Part 403.
Bypass	The intentional diversion of wastestreams from any portion of an Industrial User's treatment facility. See 40 CFR Part 403.
Categorical Industrial User (CIU)	An Industrial User subject to a Categorical Pretreatment Standard.
Categorical Pretreatment Standard (or Categorical Standard)	Any regulation containing pollutant discharge limits promulgated by EPA under Sections 307(b) and (c) of the Act, appearing in 40 CFR Chapter I, Subchapter N, Parts 405–471.
Chapter 60	Chapter 60, Article IV of the Kansas City, Missouri Code of Ordinances — the local authority for the KC Water Industrial Pretreatment Program.
City	The City of Kansas City, Missouri.
Clean Water Act (CWA)	The federal Water Pollution Control Act, as amended, 33 U.S.C. §§ 1251 et seq.
Combined Wastestream Formula (CWF)	The calculation used to derive alternative categorical discharge limits when regulated process wastewater is combined with other unregulated or dilute wastestreams before treatment. See 40 CFR Part 403.
Compliance Schedule	A schedule for achieving compliance with a Pretreatment Standard or Requirement, containing increments of progress in the form of dates for the beginning and completion of major events leading to compliance.
Composite Sample	A sample formed by combining discrete samples (aliquots) collected at intervals over a specified period, and adjusted so that the combined sample is representative of the wastestream during that period. Compare Grab Sample.
Control Authority	For Kansas City's approved pretreatment program, KC Water acting through the Regulatory Compliance Division. Federally, the Control Authority is the POTW with an approved program, or the Approval Authority where the POTW does not have an approved program. See 40 CFR Part 403.



Control Mechanism	A wastewater discharge permit or other formal written authorization or prohibition issued by KC Water to an Industrial User.
Daily Maximum	The highest allowable discharge measured during a calendar day, or during any 24-hour period reasonably representative of the calendar day, of a pollutant.
Director	The Director of KC Water, or the Director's designee.
Discharge	The introduction of pollutants into the POTW from any Industrial User.
Effluent	Wastewater flowing out of an Industrial User's facility, a pretreatment device, or the POTW.
Existing Source	A source that does not meet the applicable federal New Source criteria. A construction date alone is not sufficient to determine classification. Compare New Source.
General Industrial User	An Industrial User that does not meet the criteria for a Significant Industrial User, but is subject to Chapter 60 or the KC Water pretreatment program by virtue of discharging non-domestic wastewater. General Industrial Users may be issued a general permit or other control mechanism at KC Water's discretion.
Grab Sample	A single sample collected from a wastestream at a single point in time. Compare Composite Sample.
Hazardous Waste	A solid waste identified or listed as hazardous under RCRA, 40 CFR Part 261. Discharge of certain hazardous wastes to the POTW triggers a one-time notification requirement under 40 CFR Part 403.
Industrial User (IU)	A source of Indirect Discharge to the POTW. See 40 CFR Part 403.
Indirect Discharge	The introduction of pollutants into the POTW from any non-domestic source regulated under Section 307(b), (c), or (d) of the Act.
Instantaneous Maximum	The maximum concentration of a pollutant allowed in a single grab sample of the discharge.
Interference	A discharge which, alone or in combination with other discharges, inhibits or disrupts the POTW, its treatment processes or operations, or its sludge processes, use, or disposal; and which is a cause of a violation of KC Water's NPDES permit, or an applicable sludge management standard. See 40 CFR Part 403.
KC Water	The Department of Water Services of the City of Kansas City, Missouri.
Local Limits	Numeric pollutant discharge limits adopted by the City in Chapter 60 and applicable to Industrial Users discharging to the POTW.
MDNR	The Missouri Department of Natural Resources.
Monthly Average Limit	The average of daily discharges of a pollutant over a calendar month, calculated as the sum of the concentrations of daily samples divided by the number of samples taken during that month.



New Source	A source meeting the construction timing and applicability tests in 40 CFR Part 403: construction begins after publication of proposed pretreatment standards that are later promulgated, and the source is at a previously unused site, totally replaces the relevant process or production equipment, or has substantially independent production or wastewater-generating processes. The federal rule also defines commencement of construction and distinguishes modifications to existing sources. RCD evaluates the complete criteria.
Non-Significant Categorical Industrial User (NSCIU)	A categorical Industrial User that KC Water has determined in writing meets the applicable NSCIU criteria: never more than 100 gpd of total categorical wastewater, with the specified exclusions; consistent compliance; annual certification and supporting information; and no untreated concentrated wastewater. A facility cannot designate itself an NSCIU. See Chapter 60 and 40 CFR Part 403.
NPDES	National Pollutant Discharge Elimination System; the federal permitting system under Section 402 of the Clean Water Act. KC Water discharges from the POTW under an NPDES permit issued by MDNR.
Pass Through	A discharge which exits the POTW into waters of the United States in quantities or concentrations which, alone or in combination with other discharges, is a cause of a violation of any requirement of KC Water's NPDES permit. See 40 CFR Part 403.
Permittee	An Industrial User holding a current wastewater discharge permit issued under Chapter 60.
Pollutant	Any substance discharged that alters the physical, chemical, biological, or thermal characteristics of receiving water. See 40 CFR Part 403 and Chapter 60.
POTW	Publicly Owned Treatment Works; the wastewater collection, transmission, and treatment facilities owned by the City and operated by KC Water. See 40 CFR Part 403.
Pretreatment	The reduction of the amount of pollutants, the elimination of pollutants, or the alteration of the nature of pollutant properties in wastewater prior to or in lieu of discharging or otherwise introducing such pollutants into the POTW.
Pretreatment Program	The KC Water Industrial Pretreatment Program approved by the Approval Authority under 40 CFR Part 403.
Pretreatment Requirement	Any substantive or procedural requirement related to pretreatment, other than a Pretreatment Standard, imposed on an Industrial User.
Pretreatment Standard	A Prohibited Discharge Standard, a Categorical Pretreatment Standard, or a Local Limit.
Prohibited Discharge Standard	Any regulation developed under Section 307(b) of the Act including the general and specific prohibitions in 40 CFR Part 403 that applies to Industrial Users.
RCRA	The federal Resource Conservation and Recovery Act, 42 U.S.C. §§ 6901 et seq.



Regulatory Compliance Division (RCD)	The division within KC Water responsible for administering the Industrial Pretreatment Program.
Self-Monitoring Report (SMR)	The periodic compliance report required from Significant Industrial Users under 40 CFR Part 403 and Chapter 60. Also called a Periodic Compliance Report.
Significant Industrial User (SIU)	Local definition — Chapter 60: Significant industrial user means any industrial user which: (i) Is subject to categorical pretreatment standards; or (ii) Purchases, uses, or discharges an average of 25,000 gallons per day or more of water; or (iii) Discharges a process wastestream which makes up five percent or more of the average dry weather hydraulic or organic capacity of the wastewater treatment plant serving the said industrial user; or (iv) Accepts waste from another location outside the facility's boundaries for treatment, storage or disposal; or (v) Is designated as significant by the director on the basis that the industrial user has a reasonable potential for adversely affecting the POTW's operations, for violating this article or for violating pretreatment standards or requirements. This is the Kansas City definition. The federal SIU definition in 40 CFR Part 403 uses different flow criteria and includes separate provisions for NSCIU determinations.
Significant Noncompliance (SNC)	Noncompliance meeting the applicable criteria in Chapter 60 or 40 CFR Part 403. Federal SNC criteria apply to SIUs, with specified criteria also applying to other Industrial Users. KC Water evaluates the applicable criteria and publishes required SNC notices annually.
Slug Discharge	A discharge of a non-routine, episodic nature, including any accidental spill or non-customary batch discharge, that has a reasonable potential to cause Interference or Pass Through, or in any other way violate the POTW's regulations, Local Limits, or permit conditions. See Chapter 60 §60-143 and 40 CFR Part 403.
Technical Review Criteria (TRC)	Multipliers used in the federal SNC evaluation of numeric pretreatment limits: 1.4 for BOD, TSS, fats, oils, and grease, and 1.2 for other pollutants except pH. The TRC criterion evaluates whether 33 percent or more of measurements for a pollutant during a six-month period equal or exceed the applicable limit multiplied by its TRC. See 40 CFR Part 403.
Total Toxic Organics (TTO)	The sum of the concentrations of specified toxic organic pollutants identified in an applicable categorical pretreatment standard. See, e.g., 40 CFR 433.11(e) for metal finishing.
Toxic Organic	An individual organic pollutant constituent of TTO as identified in the applicable categorical standard.
Toxic Organic Management Plan (TOMP)	A written plan documenting the identification, control, and prevention of Toxic Organic discharges to the sewer. See KC Water TOMP Guidance.



Upset	An exceptional incident in which an Industrial User's pretreatment facility unintentionally and temporarily cannot comply with the categorical standards due to factors beyond the reasonable control of the Industrial User. See 40 CFR Part 403.
User	Any person who discharges wastewater to, or otherwise introduces pollutants into, the POTW. Synonymous with Industrial User in most contexts.
Wastewater	Liquid and water-carried industrial or domestic wastes from dwellings, commercial buildings, industrial facilities, and institutions, together with any groundwater, surface water, or stormwater that may be present.
Wastewater Discharge Permit	The written control mechanism issued by KC Water under Chapter 60 authorizing an Industrial User to discharge wastewater to the POTW subject to specified conditions.

3. Where These Definitions Come From

For most terms above, the primary authoritative source is one of the following. Consult the source directly for the complete, current definition.

Source	Where to find it
Chapter 60, Article IV, Kansas City Code of Ordinances	https://library.municode.com/ (search for Kansas City, MO; Code of Ordinances; Chapter 60)
40 CFR Part 403 — General Pretreatment Regulations	https://www.ecfr.gov/current/title-40/chapter-I/subchapter-N/part-403
40 CFR Parts 405–471 — Categorical Pretreatment Standards	https://www.ecfr.gov/current/title-40/chapter-I/subchapter-N
Missouri Clean Water Law and rules	Chapter 644, RSMo; Missouri Code of State Regulations 10 CSR 20
KC Water wastewater discharge permit	Facility-specific — issued by KC Water Regulatory Compliance Division

Questions regarding any of these definitions or how they apply to a specific facility should be directed to KC Water's Regulatory Compliance Division at water.ipp@kcmo.org or by phone at (816) 513-0600.