

# ATLANTIC COUNTY UTILITIES AUTHORITY



## Limitations on Wastewater Discharges

Introduced January 1, 1991

Revised – July 13, 2020...

Effective January 1, 2021



No person shall discharge directly or indirectly into the regional system, any wastewater the characteristics of which do not conform to the concentration limits prescribed herein, or the discharge into the regional system any toxic substances or any other objectionable material or substances as specified in this schedule, except upon written approval by the ACUA and upon such terms and conditions as may be established by the Authority in the acceptance of the wastewater.

**SECTION 1.0** No person shall discharge or permit the discharge or infiltration into the regional system any of the following:

- Any liquid having a temperature higher than 150°F (65°C) or heat in such amounts which will inhibit biological activity in the POTW resulting in interference, but in no case heat in such quantities that the temperature at the POTW treatment plant exceeds 104°F (40°C) unless the State, upon request of ACUA approves an alternate limit.
- Any liquid containing fats, wax, grease, or oils, whether emulsified or not, in excess of 100 mg/l or containing substances which may solidify or become viscous at temperatures between 32°F and 150°F (0°C and 65°C).
- Any water or wastes that contain hydrogen sulfide in sufficient quantities to cause damage or excessive odor within the wastewater treatment system.
- Any residue from petroleum storage, refining or processing fuel or lubrication oil, gasoline, naphta, benzene, or other explosive or inflammable liquids, solids or gases in such concentrations which would cause or potentially cause an explosive, flammable, or other hazardous condition.
- Any substances that may cause interference with the metering of wastewater or pass through to the receiving waters without being effectively treated at the wastewater treatment processes.
- Any solid or viscous substance in quantities or of such size capable of causing obstruction to the flow in sewers such as, but not limited to, mud, straw, metal, rags, glass, tar, plastics, wood and shavings.
- Any solid or viscous substances in quantities or of such size capable of causing an interference with the proper operation of the regional system such as, but not limited to, ashes, cinders, sand, feathers, unground garbage, whole blood, paunch manure, hair and fleshings, entrails, paper or plastic containers, etc., either whole or ground by garbage grinders.
- Any garbage that has not been properly shredded to a degree that all particles can be carried freely under the flow conditions normally prevailing in public sewers. Particles greater than one-half (½) inch in any dimension are prohibited.

- Any pollutant that will cause corrosive damage or hazard to structures, equipment, or personnel of the wastewater facilities, but in no case, discharges having a pH lower than 5.0 standard units or greater than 10.0 standard units.
- Any radioactive waste or isotope of such half-life or concentration as to be in excess of that permitted by appropriate regulatory agencies having control over their use or in such quantity as to cause damage or hazard to structures, equipment, and personnel of the Authority.
- Any waste containing noxious or malodorous solids, liquids or gases, which either single or by interaction with other wastes, are capable of creating a public nuisance or hazard to life or are or may be sufficient to prevent entry into a sewer of its maintenance and repair.
- Any unpolluted waters, (e.g., storm water, surface water, roof runoff, cooling drainage) to the wastewater treatment system.
- Any non-contact cooling water or unpolluted industrial process waters to the wastewater treatment system unless specifically allowed by ACUA.
- Constitute a rate of discharge sufficient to be classified as a “slug discharge” or containing such concentrations or quantities of pollutants that would cause an interference to the wastewater treatment system.
- Any water or wastes containing toxins or pollutants in sufficient quantity and/or concentration to cause injury, damage or hazard to personnel, structures, or equipment or interfere with the wastewater treatment system or any portion of the liquid or solids treatment or handling processes, or that will pass through the wastewater treatment system in such condition that it will not achieve State, Federal or other existing requirements for the effluent or for the receiving waters.
- Any material which exerts or causes unusual concentrations of inert suspended solids (such as, but not limited to, Fuller’s Earth, lime slurries and lime residues) or of dissolved solids (such as, but not limited to, sodium chloride and sodium sulfate).
- Any water or wastes containing dyes, pigments or other colored substances that will not be removed in the wastewater treatment system and will interfere with effluent color or turbidity measurements.
- Any material which exerts or causes unusual BOD, COD, oxygen or chlorine requirements in such quantities as to constitute an unacceptable load on the wastewater treatment works.

**SECTION 1.1** No person shall dispose of wastewater containing mixed loads. (i.e., septage with grease or scum)

**SECTION 1.2** No person shall uncover or make any unauthorized connection or alteration or otherwise disturb any element of the regional system without the prior written approval of ACUA.

**SECTION 1.3** Connections to the regional system shall be designed and constructed to conform to the requirement of all applicable State and local building and plumbing codes. All such connections shall be made gastight and watertight and shall be subject to the inspection and approval of ACUA.

**SECTION 1.4** No person shall discharge to the regional system any liquids containing toxic solids, liquids, or gases in sufficient quantity, either single or by interaction with other wastes, to injure or interfere with any wastewater treatment process, constitute a hazard to humans or animals, create a public nuisance, prevent the attainment of effluent limitations as imposed by an State or Federal regulatory agency, or create any hazard in the effluent of the wastewater treatment plant or the receiving waters.

**SECTION 1.5** The concentration in wastewater of any of the following substances shall be limited to the stated maximum concentrations in order to be acceptable for discharge to the regional system:

List of Parameters	ACUA Limit	
	Monthly Average (MG/L)	Daily Max (MG/L)
Arsenic (as As)	2.00	2.00
Boron (as Bo)	1.00	1.00
Beryllium (as Be)	0.26	0.69
Cadmium (as Cd)	0.26	0.69
Chromium (Total)	0.23	0.23
Copper (as Cu)	0.36	1.00
Cyanide (Total)	1.00	1.00
Iron (as Fe)	5.00	5.00
Lead (as Pb)	0.40	0.60
Mercury (as Hg)	0.01	0.04
Molybdenum (as Mo)	Report Only ***	Report Only ***
Nickel (as Ni)	0.36	0.36
Selenium (as Se)	Report Only ***	Report Only ***
Silver (as Ag)	0.24	0.43
TVC's		
Zinc	2.20	2.20
Methylene Blue Active Substance (MBAS)	10.00	10.00
Phenol	0.04	0.04
Total Solids	1300	1300
Chlorides	Report Only ***	Report Only ***

\*\*\* There is not a limit presented for these parameters but will be evaluated for impact and the plant process and solids disposal.

**SECTION 1.6** Should a customer dispose of any substance that is different from what was reported or approved the customer will be no longer permitted to discharge at ACUA and will be assessed a penalty according to the structure set forth in this schedule.

**SECTION 1.7** No person shall discharge into the regional system any waters or wastes having the following characteristics without the prior review and approval of ACUA:

- A five-day BOD concentration greater than three hundred (300) parts per million, or
- A suspended solids concentration in excess of three hundred (300) parts per million, by weight, or
- Incompatible pollutants, as defined in these rules and regulations, or
- Pollutants subject to the Federal categorical pretreatment standards, as defined by 40 CFR 403, or
- Any new source Significant Indirect User (SIU) as defined by NJSA 58:10A-6 and NJAC 7:14A-12.1.1

**SECTION 1.8** As per NJSA 58:10A-6 and NJAC 7:14A-12.1.1, a Significant Indirect User (SIU) is defined by a potential user conveying 25,000 GPD or greater to the ACUA system.

The ACUA reserves the right to:

- Request a headworks analysis if it is determined that the proposed discharge can impact our process/sludge negatively. The applicant will be responsible for the cost of the analysis.
- After approving a SIU discharge volume to revise to an actual usage after a one-year study period.
- Periodically request additional testing to assure continued no adverse impact on process.
- To enter into a sewer service agreement to summarize the disposal arrangements.

**SECTION 1.9** Administrative Fees

Administrative Processing	\$100.00
Lab Review	\$300.00
Engineering Capacity	\$100.00

**SECTION 1.10 Penalties**

- For falsifying reporting, discharging product different than reported or approved:

1 <sup>st</sup> Offense	\$500.00
2 <sup>nd</sup> Offense	\$1,000.00
3 <sup>rd</sup> Offense	permanent ban from use of ACUA facilities

- Dumping into a receiving manhole any discharge that would present an adverse impact to the ACUA process or equipment:

1 <sup>st</sup> Offense	\$500.00
2 <sup>nd</sup> Offense	\$1,000.00
3 <sup>rd</sup> Offense	pursuit of legal recourse

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## LIMITATIONS ON WASTEWATER DISCHARGES

### CHECKLIST

<b>Customer</b>					
<b>Source Location</b>					
<b>Type of Waste Stream</b>					
<b>Estimated Gallons Per Day</b>					
<b>Duration of Discharge</b>					
List of Parameters	ACUA Limit		Customer Test Result		ACUA Comments
	Monthly Average (MG/L)	Daily Max (MG/L)	Monthly Average (MG/L)	Daily Max (MG/L)	
Arsenic (as As)	2.00	2.00			
Boron (as Bo)	1.00	1.00			
Beryllium (as Be)	0.26	0.69			
Cadmium (as Cd)	0.26	0.69			
Chromium (Total)	0.23	0.23			
Copper (as Cu)	0.36	1.00			
Cyanide (Total)	1.00	1.00			
Iron (as Fe)	5.00	5.00			
Lead (as Pb)	0.40	0.60			
Mercury (as Hg)	0.01	0.04			
Molybdenum (as Mo)	Report Only ***	Report Only ***			
Nickel (as Ni)	0.36	0.36			
Selenium (as Se)	Report Only ***	Report Only ***			
Silver (as Ag)	0.24	0.43			
TVC's					
Zinc	2.20	2.20			
Methylene Blue Active Substance (MBAS)	10.00	10.00			
Phenol	0.04	0.04			
Total Solids	1300	1300			
Chlorides	Report Only ***	Report Only ***			
***There is not a limit presented for these parameters but will be evaluated for impact and the plant process and solids disposal.					
Temperature		<150F			
Fats/Oils/Grease (FOG)		<100 mg/l			
pH		Between 5-10			
Biochemical Oxygen Demand (BOD5)		300 mg/l			
Chemical Oxygen Demand (COD)		Report Only			
Suspended Solids (SS)		300 mg/l			
Waste delivery mode					
Trucked in Waste					
In Pipe Discharge					
If piped, ACUA sign off for adequate downstream capacity					
Waste Stream Accepted					
Waste Stream Denied					
Director of Operation					
					Joseph Weber
Date:					
Adequate Downstream Capacity					
Chief Engineer					
					Tom Ganard, PE
Date:					