

**FORM 2C — ADDENDUM**

PLEASE PRINT OR TYPE IN THE UNSHADED AREAS ONLY.

**AZPDES (NPDES) PERMIT NO.** \_\_\_\_\_

**V. INTAKE AND EFFLUENT CHARACTERISTICS** (continued from page 3 of Form 2C) OUTFALL NO. \_\_\_\_\_

**PART A** - You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.

1. POLLUTANT	2. EFFLUENT						d. NO. OF ANALYSES	3. UNITS		4. INTAKE (optional)	
	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30-DAY VALUE (if available)		c. LONG TERM AVERAGE VALUE (if available)					a. LONG TERM AVERAGE VALUE	
	CONCENTRATION (CONC.)	MASS	CONC.	MASS	CONC.	MASS		CONC.	MASS	CONC.	MASS
Biochemical Oxygen Demand (BOD)											
Chemical Oxygen Demand (COD)											
Total Organic Carbon (TOC)											
Total Suspended Solids (TSS)											
Ammonia (as N)											
Flow	VALUE		VALUE		VALUE				VALUE		
Temperature (winter)	VALUE		VALUE		VALUE				VALUE		
Temperature (summer)	VALUE		VALUE		VALUE				VALUE		
pH	MINIMUM	MAXIMUM	MINIMUM	MAXIMUM				STANDARD UNITS			

**PART B** - Mark "X" in column 2.a for each pollutant you know or have reason to believe is present. Mark "X" in column 2.b for each pollutant you believe to be absent. If you mark column 2.a for any pollutant which is limited either directly or indirectly but expressly, in an effluent limitations guideline, you must provide the results of at least one analysis for that pollutant. For other pollutants for which you mark column 2.a, you must provide quantitative data or an explanation of their presence in your discharge. Complete one table for each outfall. See the instructions for additional details and requirements.

1. POLLUTANT AND CAS NO. (if available)	2. MARK "X"		3. EFFLUENT						d. NO. OF ANALYSES	4. UNITS		5. INTAKE (optional)	
	a. BELIEVE PRESENT	b. BELIEVE ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30-DAY VALUE (if available)		c. LONG TERM AVG. VALUE (if available)					a. LONG TERM AVG. VALUE	
			CONC.	MASS	CONC.	MASS	CONC.	MASS		CONC.	MASS	CONC.	MASS
Bromide (24959-67-9)													
Chlorine, Total Residual													
Color													
Fecal Coliform													

1. POLLUTANT AND CAS NO. (if available)	2. MARK "X"		3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. BELIEVE PRESENT	b. BELIEVE ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30-DAY VALUE (if available)		c. LONG TERM AVG. VALUE (if available)		d. NO. OF ANALYSES			a. LONG TERM AVG. VALUE		b. NO. OF ANALYSES
			CONC.	MASS	CONC.	MASS	CONC.	MASS		CONC.	MASS			
Fluoride (16984-48-8)														
Nitrate-Nitrite (as N)														
Nitrogen, Total Organic (as N)														
Oil and Grease														
Phosphorus (as P), Total (7723-14-0)														
Radioactivity														
(1) Alpha, Total														
(2) Beta, Total														
(3) Radium, Total														
(4) Radium 226, Total														
Sulfate (as SO4) (14808-79-8)														
Sulfide (as S)														
Sulfite(as so3) (14265-45-3)														
Surfactants														
Aluminum , Total (7429-90-5)														
Barium, Total (7440-39 -3)														
Boron, Total (7440-42-8)														
Cobalt, Total (7440-48-4)														
Iron, Total (7439-89-6)														
Magnesium, Total (7439-95-4)														
Molybdenum, Total (7439-98-7)														
Manganese, Total (7439-96-5)														
Tin, Total (7440-31-5)														
Titanium, Total (7440-32-6)														

**PART C** - If you are a primary industry and this outfall contains process wastewater, refer to Table 2C.2 in the instructions to determine which of the GC/MS fractions you must test for. Mark "X" in column 2.a for all such GC/MS fractions that apply to your industry and for ALL toxic metals, cyanides and total phenols. If you are not required to mark column 2.a (*secondary industries, non process wastewater outfalls and non required GC/MS fractions*), mark "X" in column 2.b for each pollutant you know or believe may be present. Mark "X" in column 2.c for pollutants you believe are absent. If you mark column 2.a for any pollutant, you must provide results of at least one analysis for that pollutant. If you mark column 2.b for any pollutant, you must provide results of at least one analysis for that pollutant if you know or have reason to believe it will be discharged in concentrations of 10 ppb or greater. If you mark column 2.b for acrolein, acrylonitrile, 2,4 dinitrophenol or 2-methyl-4,6 dinitrophenol, you must provide results of at least one analysis for each if you know or have reason to believe that you discharge in concentrations of 100 ppb or greater. Otherwise, for pollutants for which you mark column 2.b, you must either submit at least one analysis or briefly describe the reasons the pollutant is expected to be discharged. Note that there are 7 pages to Part C; please review each carefully. Complete one table (7 pages) for each outfall. See instructions for additional details and requirements.

1. POLLUTANT AND CAS NO. (if available)	2. MARK "X"			3. EFFLUENT						4. UNITS		5. INTAKE (optional)		
	a. TESTING REQUIRED	b. BELIEVE PRESENT	c. BELIEVE ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30-DAY VALUE (if available)		c. LONG TERM AVG. VALUE (if available)				d. NO. OF ANALYSES	a. LONG TERM AVG. VALUE	
				CONC.	MASS	CONC.	MASS	CONC.	MASS	CONC.	MASS			
<b>1. METALS, CYANIDE AND TOTAL PHENOLS</b>														
Antimony, Total (7440-36-0)														
Arsenic, Total (7440-38-2)														
Beryllium, Total (7440-41-7)														
Cadmium, Total (7440-43-9)														
Chromium, Total (7440-47-3)														
Copper, Total (7440-50-8)														
Lead, Total (7439-92-1)														
Mercury, Total (7439-97-6)														
Nickel, Total (7440-02-0)														
Selenium, Total, (7782-49-2)														
Silver, Total (7440-22-4)														
Thallium, Total (7440-28-0)														
Zinc, Total (7440-66-6)														

1. POLLUTANT AND CAS NO. (if available)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. TESTING REQUIRED	b. BELIEVE PRESENT	c. BELIEVE ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30-DAY VALUE (if available)		c. LONG TERM AVG. VALUE (if available)		d. NO. OF ANALYSES			a. LONG TERM AVG. VALUE		b. NO. OF ANALYSES
				CONC.	MASS	CONC.	MASS	CONC.	MASS		CONC.	MASS			
Cyanide, Total (57-12-5)															
Phenols, Total															
Hardness (CaCO3)															
<b>2. DIOXIN</b>															
2,3,7,8- Tetra-chlorodibenzo-P-Dioxin (1764-01-6)				Describe results:											
<b>3. GC/MS FRACTION - VOLATILE COMPOUNDS</b>															
Acrolein (107-02-8)															
Acrylonitrile (107-13-1)															
Benzene (71-43-2)															
Bromoform (75-25-2)															
Carbon Tetrachloride (56-23-5)															
Chlorobenzene (108-90-7)															
Chlorodibromo-methane (124-48-1)															
Chloroethane (75-00-3)															
2-Chloroethylvinyl Ether (110-75-8)															
Chloroform (67-66-3)															
Dichlorobromo-methane (75-27-4)															
1,1-Dichloroethane (75-34-3)															

1. POLLUTANT AND CAS NO. (if available)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. TESTING REQUIRED	b. BELIEVE PRESENT	c. BELIEVE ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30-DAY VALUE (if available)		c. LONG TERM AVG. VALUE (if available)		d. NO. OF ANALYSES			a. LONG TERM AVG. VALUE		b. NO. OF ANALYSES
				CONC.	MASS	CONC.	MASS	CONC.	MASS		CONC.	MASS			
1,2 -Dichloroethane (107-06-2)															
1,1- Dichloroethylene (75-35-4)															
1,2-Dichloropropane (78-87-5)															
1,3-Dichloro-pro-pylene (542-75-6)															
Ethylbenzene (100-41-4)															
Methyl Bromide (74-83-9)															
Methyl Chloride (74-87-3)															
Methylene Chloride (75-09-2)															
1,1,2,2-Tetrachloro-ethane (79-34-5)															
Tetrachloroethylene (127-18-4)															
Toluene (108-88-3)															
1,2 Trans Dichloro-ethylene (15660-5)															
1,1,1 Trichloroethane (71-55-6)															
1,1,2 Trichloroethane (79-00-5)															
Trichloroethylene (79-01-6)															
Vinyl Chloride (75-01-4)															

1. POLLUTANT AND CAS NO. (if available)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. TESTING REQUIRED	b. BELIEVE PRESENT	c. BELIEVE ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30-DAY VALUE (if available)		c. LONG TERM AVG. VALUE (if available)		d. NO. OF ANALYSES			a. LONG TERM AVG. VALUE		b. NO. OF ANALYSES
				CONC.	MASS	CONC.	MASS	CONC.	MASS		CONC.	MASS			
<b>3. GC/MS FRACTIONS - ACID COMPOUNDS</b>															
2-Chlorophenol (95-57-8)															
2,4- Dichlorophenol (120-83-2)															
2,4- Dimethylphenol (105-67-9)															
4,6-Dinitro-O-Cresol (534-52-1) [2-methyl 4,6, dinitrophenol]															
2,4-Dinitrophenol (51-28-5)															
2-Nitrophenol (88-75-5)															
4-Nitrophenol (100-02-7)															
P-Chloro-M-Cresol (59-50-7)															
Pentachlorophenol (87-86-5)															
Phenol (108-95-2)															
2, 4, 6-Trichloro-phenol (88-06-2)															
<b>3. GC/MS FRACTION - BASE / NEUTRAL COMPOUNDS</b>															
Acenaphthene (83-32-9)															
Acenaphthylene (208-96-8)															
Anthracene (120-12-7)															
Benzidine (92-87-5)															

1. POLLUTANT AND CAS NO. (if available)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (optional)	
	a. TESTING REQUIRED	b. BELIEVE PRESENT	c. BELIEVE ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30-DAY VALUE (if available)		c. LONG TERM AVG. VALUE (if available)		d. NO. OF ANALYSES			a. LONG TERM AVG. VALUE	
				CONC.	MASS	CONC.	MASS	CONC.	MASS		CONC.	MASS		
Benzo(a) Anthracene (56-55-3)														
Benzo(a) Pyrene (50-32-8)														
3,4-Benzofluoranthene (205-99-2)														
Benzo (ghi) Perylene (191-24-2)														
Benzo (k) Fluoranthene (207-08-9)														
Bis (2-Chloroethoxy) Methane (111-91-1)														
Bis (2-Chloroethyl) Ether (111-44-4)														
Bis (2-Chloroisopropyl) Ether (102-60-1)														
Bis (2-Ethylhexyl) Phthalate (117-81-7)														
4-Bromophenyl Phenyl Ether (101-55-3)														
Butyl Benzyl Phthalate (85-68-7)														
2-Chloronaphthylene (91-58-7)														
4-Chloro-phenyl Phenyl Ether (7005-72-3)														
Chrysene (218-01-9)														
Dibenzo (a,h) Anthracene (53-70-3)														
1,2-Dichlorobenzene (95-50-1)														

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	a. TESTING REQUIRED	b. BELIEVE PRESENT	c. BELIEVE ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30-DAY VALUE (if available)		c. LONG TERM AVG. VALUE (if available)		d. NO. OF ANALYSES			a. LONG TERM AVG. VALUE	
				CONC.	MASS	CONC.	MASS	CONC.	MASS		CONC.	MASS		
1,3-Dichlorobenzene (541-73-1)														
1,4-Dichlorobenzene (106-46-7)														
3,3'-Dichlorobenzidine (91-94-1)														
Diethyl Phthalate (84-66-2)														
Dimethyl Phthalate (131-11-3)														
Di-N-Butyl Phthalate (84-74-2)														
2,4-Dinitrotoluene (121-14-2)														
2,6-Dinitrotoluene (606-20-2)														
Di-N-Octyl Phthalate (117-84-0)														
1,2-Diphenylhydrazine (as Azobenzene) (122-66-7)														
Fluoranthene (206-44-0)														
Fluorene (86-73-7)														
Hexachlorobenzene (118-74-1)														
Hexachlorobutadiene (87-68-3)														
Hexachlorocyclopentadiene (77-47-4)														
Hexachloroethane (67-72-1)														



1. POLLUTANT AND CAS NO. (if available)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (optional)	
	a. TESTING REQUIRED	b. BELIEVE PRESENT	c. BELIEVE ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30-DAY VALUE (if available)		c. LONG TERM AVG. VALUE (if available)		d. NO. OF ANALYSES			a. LONG TERM AVG. VALUE	
				CONC.	MASS	CONC.	MASS	CONC.	MASS		CONC.	MASS		
Indeno (1,2,3-cd) Pyrene (193-39-5)														
Isophorone (78-59-1)														
Naphthalene (91-20-3)														
Nitrobenzene (98-95-3)														
N-Nitrosodimethylamine (62-75-9)														
N-Nitrosodi-N-Propylamine (621-64-7)														
N-Nitrosodi-phenylamine (86-30-6)														
Phenanthrene (85-01-8)														
Pyrene (129-00-0)														
1,2,4-Trichlorobenzene (120-82-1)														
<b>3. GC/MS FRACTION - PESTICIDES</b>														
Aldrin (309-00-2)														
α-BHC (319-84-6)														
β-BHC (319-85-7)														
γ-BHC (58-89-9)														
δ-BHC (319-86-8)														
Chlordane (57-74-9)														
4,4'-DDT (50-29-3)														
4,4'-DDE (72-55-9)														

1. POLLUTANT AND CAS NO. (if available)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. TESTING REQUIRED	b. BELIEVE PRESENT	c. BELIEVE ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30-DAY VALUE (if available)		c. LONG TERM AVG. VALUE (if available)		d. NO. OF ANALYSES			a. LONG TERM AVG. VALUE		b. NO. OF ANALYSES
				CONC.	MASS	CONC.	MASS	CONC.	MASS		CONC.	MASS			
4,4'-DDD (72-54-8)															
Dieldrin (60-57-1)															
α-Endosulfan (115-29-7)															
β-Endosulfan (115-29-7)															
Endosulfan Sulfate (1031-07-8)															
Endrin (72-20-8)															
Endrin Aldehyde (7421-93-4)															
Heptachlor (76-44-8)															
Heptachlor Epoxide (1024-57-3)															
PCB-1242 (53469-21-9)															
PCB-1254 (11097-69-1)															
PCB-1221 (11104-28-2)															
PCB-1232 (11141-16-5)															
PCB-1248 (12672-29-6)															
PCB-1260 (11096-82-5)															
PCB-1016 (12674-11-2)															
Toxaphene (8001-35-2)															

**PART D** - You must report quantitative data for any of the State of Arizona surface water quality standards (SWQS) applicable to the receiving water which is not covered in Item V, Parts A, B, C, and E of Form 2C if you know or have reason to believe that the pollutant(s) is (are) discharged or is (are) expected to be discharged from each outfall. See A.A.C. R18-11-109, Appendix A and Appendix B for the list of applicable SWQS. Fill out this part in the same manner as Part V.A.

1. POLLUTANT AND CAS NO. (if available)	2. EFFLUENT						3. UNITS	4. INTAKE (optional)			
	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30-DAY VALUE (if available)		c. LONG TERM AVG. VALUE (if available)			d. NO. OF ANALYSES	a. LONG TERM AVG. VALUE		b. NO. OF ANALYSES
	CONC.	MASS	CONC.	MASS	CONC.	MASS			CONC.	MASS	

**ARIZONA SWQS NOT COVERED IN PARTS V.A, V.B, V.C, AND V.E.**
