Delta Diablo
ZONE 2 (PITTSBURG)

1. Delta Diablo, hereinafter referred to as the District, shall review each application on a 'case-by-case' basis.

   Section 2.16.072 Temporary Connections Less Than One (1) Year: A temporary connection is defined as a connection to the District's sewerage system for less than one (1) year. Such connections add wear and tear to the system and will be assessed a temporary connection charge for the period of connection to the system based on the peak volume of flows and the zone where the temporary connection is served. Such temporary connections may be less than the minimum charge of one (1) ERU. The basis of computation of the temporary connection **charge for capacity rental** shall be based on that connection's share of interest on debt service used for system expansion as determined by the Manager (Ord. 94 § 2, 2010).

   Section 2.16.072 Temporary Connections Greater Than One (1) Year: Should a connection originally determined to be temporary remain connected to the system for more than one (1) year, that connection will be deemed a permanent connection subject to the **Capital Facilities Capacity Charge** for the zone in which the connection is served. Prior connection charge payments for temporary service will be credited as payment toward the permanent connections Capital Facilities Capacity Charge (Ord. 94 § 2, 2010).

   Section 2.28.020 Prohibited Discharge Standards: General Prohibitions. No User shall introduce or cause to be introduced into the POTW any pollutant or wastewater which causes pass through or interference. These general prohibitions apply to all Users of the POTW whether or not they are subject to categorical Pretreatment Standards or any other national, State, or local Pretreatment Standards or Requirements.

   Section 2.28.025 Prohibited Discharge Location: No User shall discharge any wastewater directly to a manhole or other opening in, or connecting to the District sewage system other than through sewer laterals or other sewer connections approved by the District, unless a permit has been obtained for such discharge. A permit will be issued only for direct discharge in the event the discharge is otherwise in compliance with provisions of this Code and no other alternative is reasonably available in the opinion of the District.

2. Submit the following information with your application:
   - Site background (Include maps)
   - Waste stream pollutant characteristics
   - Flows (gallons per day) expected
   - Samples shall be analyzed for pollutants described in the Local Limits section (The District's Maximum Daily Local Limits for Wastewater Discharge). Total Toxic Organics shall be screened using **EPA Methods 608, 624, and 625**. CAM 17 Metals (The specific metals identified in the CAM 17 Method shall be analyzed using **EPA 200 Series for Metals**).
   - Anion – Cation Balance, Iron, Conductivity Total Dissolved Solids, Total Suspended Solids, Chemical Oxygen Demand, Biochemical Oxygen Demand, (Benzene, Toluene, Ethylbenzene & Xylene – BTEX), and Total Petroleum Hydrocarbons (TPH) are not included in the District's Local Limits but shall be analyzed.
   - All samples shall be analyzed by an ELAP-certified laboratory. The pollutants to be analyzed may be specified by District personnel during the application process and will be handled on a case by case basis.
   - Proposed pretreatment technologies, with schematics of plumbing and processes.
   - Duration of proposed waste stream discharge.
   - Other pertinent information, including other constituents found in the wastewaters that are not included in the Local Limits section.

3. **Payment of permit fee, capital facilities capacity charge and/or the capacity rental charge shall be submitted by the responsible party upon approval of discharge permit issuance.**

4. Please direct any questions regarding this SDP application to:

Robert Brothers	**Mike Auer**
Environmental Compliance Specialist II	**Environmental Compliance Specialist II**
Delta Diablo	**Delta Diablo**
2500 Pittsburg-Antioch Highway	**2500 Pittsburg-Antioch Highway**
Antioch, CA 94509	**Antioch, CA 94509**
(925)756-1913 or robertb@deltadiablo.org	**(925)756-1929 or mikea@deltadiablo.org**

Delta Diablo
SPECIAL DISCHARGE PERMIT (SDP) APPLICATION PITTSBURG

This permit is issued by the District. The District is the wastewater resource recovery facility that gives special approval to the responsible party indicated below to discharge the below listed waste(s) to the District's facilities on a one-time basis, or for a specified period of time. The Permittee must reapply for a new Special Discharge Permit (SDP) for any subsequent discharges, unless otherwise stated.

To be completed by Permittee. The District will review the ***completed application for final decision.***

DISCHARGE SOURCE	**PERMIT # SDP-**
Name of Clean-up Site:	
Site Address:	
Site Location; City / Zip Code:	
RESPONSIBLE PARTY / BILLING ADDRESS	
Name:	
Address:	
City / State / Zip Code:	
Phone:	
PROPOSED DISCHARGE	
Type of Waste:	
Total Quantity to be Discharged:	**GALS**
Peak (Maximum) Discharge Flow Rate: (See page 4 for estimation charge)	**GPM**
Identify Discharge Location:	
Effective Start Date for Discharge:	
Expiration End Date for Discharge:	

To be completed by Delta Diablo and acknowledged by the responsible party.

Discharge Permit Fee: **$263 or $450 depending on total discharge flow amount**	$
Capital Facilities Capacity Charge (> 1 year) or Capacity Rental Charge (< 1 year): **$330/ERU** (See Page 4)	$
Total Amount Due Now:	$
Sewer Service Charge / Discharge amount: (See Page 5) **(**HCF = Hundred Cubic Feet**) Pittsburg:**	$ **(determined at the end of project)**
Date Laboratory Analysis Received:	
Laboratory Analysis Accepted:	Yes ☐ No ☐
Maximum Flow Rate into Sanitary Sewer:	**GPM**
Flow Meter Required:	Yes ☐ No ☐
Pretreatment or Other Requirements:	See special conditions section
Authorized Discharge Period: **Not to exceed one year unless otherwise noted.**	

"I certify under penalty of perjury that this document and all attachments were prepared under my direction or supervision and in accordance with the system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person(s) who manages the system or those directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for knowingly submitting false information, including the possibility of fine and/or imprisonment for knowing violations."

Further, I understand that failure to accurately describe the above information or failure to comply with the permit and/or any applicable District regulation may result in the immediate suspension of this Special Discharge Permit and/or other penalties as may be allowed by law.

Acknowledged by Responsible Party:	**Date:**

Approved by Darrell Cain, Laboratory Manager	**Date:**

SPECIAL CONDITIONS

Check all that apply

1. ☐ **A Monthly Self-Monitoring Report** shall be submitted to the District for all projects lasting longer than two (2) months. For all projects that are shorter than two (2) months of operation, an end of project report is required at the completion of the project. The monthly Self-Monitoring Report shall include at a minimum: Special Discharge Permit (SDP) number, name of project, location of project, name of Consulting/Contracting Firm, contact person's name and phone number, billing address, amount of flow discharged per month, and the maximum flow rate of discharged amount. **Reports are due by the 15th day of the following month.**

2. ☐ **End of Project Self-Monitoring Report** shall include at a minimum: Special Discharge Permit (SDP) number, name of project, location of project, name of Consulting/Contracting Firm, contact person's name and phone number, billing address, amount of flow discharged per month, and the maximum flow rate of discharged amount. **Reports are due by the 15th day of the following month.**

3. ☐ Discharge flow rate shall not exceed the amount listed on the previous page of this permit.

4. ☐ The flow meter shall be totalized (gallons). The flow meter must be non-resettable and certified for accuracy.

5. ☐ If additional time is needed for projects lasting longer than ten (10) months, please contact the District and resubmit a Special Discharge Permit application 60 days prior to the permit expiration date.

6. ☐ Waste loads that are trucked to the District for disposal are only allowed to discharge during normal business hours between 8:00 am – 5:00 pm Monday thru Friday. **TRUCKED WASTES WILL BE BILLED BASED ON CAPACITY LOAD LISTED ON VEHICLE.** Driver must notify the Plant Operator at (925) 382-6960 prior to bringing the load to the District. The following conditions apply:

   - Truck driver shall observe all safety rules and proceed with caution on the plant site.
   - pH shall be maintained between 6-10 s.u. at the time of delivery.
   - Trucks shall not leak any oils or other fluids while on plant site.
   - The driver shall have a copy of the special discharge permit and a truck waste manifest.
   - The District retains the right to reduce and/or terminate future discharges.

If an authorized trucked waste permit holder has their load rejected by operations staff twice in the same day, the permit holder will not be allowed to bring any more loads to the District until the next business day. If a violation of the terms of the condition of the Special Discharge Permit continues, the District may consider additional actions up to and including the termination of the discharge permit.

7. ☐ List the name of the consulting firm responsible for this project.

Consulting Firm Name:	
Address:	
City:	
Contact Person:	
Phone:	

ZONE 2 (PITTSBURG)

CAPACITY RENTAL CHARGE / CAPITAL FACILITIES CAPACITY CHARGE ESTIMATION

Peak Discharge Rate	3 gallons per minute
Peak Daily Volume	4320 gallons per day
Total Volume	1576800 gallons per year
4320 gpd / 200 gpd =	21.6 ERU's
21.6 ERU's x $330 / ERU=	7128 dollars per year
$7128 / 12=	594 dollars per month

Peak Discharge Rate	6 gallons per minute
Peak Daily Volume	8640 gallons per day
Total Volume	3153600 gallons per year
8640 gpd / 200 gpd =	43.2 ERU's
43.2 ERU's x $330 / ERU=	14256 dollars per year
$14256 / 12=	1188 dollars per month

Peak Discharge Rate	10 gallons per minute
Peak Daily Volume	14400 gallons per day
Total Volume	5256000 gallons per year
14400 gpd / 200 gpd =	72 ERU's
72 ERU's x $330 / ERU=	23760 dollars per year
$23760 / 12=	1980 dollars per month

Peak Discharge Rate	20 gallons per minute
Peak Daily Volume	28800 gallons per day
Total Volume	10512000 gallons per year
28800 gpd / 200 gpd =	144 ERU's
144 ERU's x $330 / ERU=	47520 dollars per year
$47520 / 12=	3960 dollars per month

Peak Discharge Rate	50 gallons per minute
Peak Daily Volume	72000 gallons per day
Total Volume	26280000 gallons per year
72000 gpd / 200 gpd =	360 ERU's
360 ERU's x $330 / ERU=	118800 dollars per year
$118800 / 12=	9900 dollars per month

Gpd = gallons per day
ERUs = Equivalent Residential Units

Delta Diablo
ZONE 2 (PITTSBURG)

SEWER SERVICE CHARGE CALCULATION

The Special Discharge fees for users discharging more than 10,000 gallons:

Permit Fee: $450 / plus cost of lab fees & Sewer Service Charge

Formula for Sewer Service Charge:

$UC = Q_D/748$ gals/HCF x $[BOD_D/BOD_I + TSS_D/ TSS_I - 1]$ x **$4.00 / HCF*** (Pittsburg)

Where:	UC	=	User Charge
	Q_D	=	User Volume in Gallons
	HCF	=	Hundred Cubic Feet
	BOD_D	=	User Concentration, mg/l (ppm)
	BOD_I	=	Domestic = 220 mg/l (ppm) Average Domestic Concentration
	TSS_D	=	User Concentration (ppm)
	TSS_I	=	Domestic = 220 mg/l (ppm) Average Domestic Concentration

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The Special Discharge fees for users discharging less than 10,000 gallons:

Permit Fee: $ 263.00 / plus cost of lab fees & Sewer Service Charge

Formula for Sewer Service Charge:

$UC = Q_D/748$ x $[BOD_D/BOD_I + TSS_D/ TSS_I - 1]$ x **$4.00 / HCF*** (Pittsburg)

Where:	UC	=	User Charge
	Q_D	=	User Volume in Gallons
	BOD_D	=	User Concentration, mg/l (ppm)
	BOD_I	=	Domestic = 220 mg/l (ppm), Average Domestic Concentration
	TSS_D	=	User Concentration (ppm)
	TSS_I	=	220 mg/l (ppm), Average Domestic Concentration

*** Current fiscal year Hundred Cubic Feet (HCF) fee covers July 1, 2016 to June 30, 2017.**
HCF fees are subject to change based on annual fiscal year review.
If the project discharge extends beyond the current fiscal year, July 1, 2016 to June 30, 2017; then the remaining discharge period will be subject to the new fiscal year HCF fee.

Delta Diablo
MAXIMUM DAILY LOCAL LIMITS FOR WASTEWATER DISCHARGE

PARAMETER	LIMIT
Arsenic	0.15 mg/L
Cadmium	0.1 mg/L
Chromium	0.5 mg/L
Copper	0.50 mg/L
Cyanides	0.2 mg/L
Lead	0.5 mg/L
Mercury	0.003 mg/L
Nickel	0.5 mg/L
Phenols*	1.0 mg/L
Selenium	0.25 mg/L
Silver	0.2 mg/L
Zinc	1.0 mg/L
Ammonia as N	200 mg/L
Oil & Grease Animal/Vegetable	300 mg/L
Oil & Grease Petroleum/Mineral	100 mg/L
pH	6-10 s.u.
Total Toxic Organics (TTO)**	2.0 mg/L

* Total Recoverable Phenolics, by EPA Method 420.4.
** The summation of compounds as defined in Appendix A (next page) using EPA Methods 608, 624, and 625. Metals are to be performed using EPA Method 200 Series.

The District also requires the following additional analysis to be performed:

PARAMETER	CONCENTRATION	CEILING LIMIT
Anion / Cation Balance	Total Anions (Alkalinity, Cl, F, NO_3-N, SO_4) Total Cations (Ca, K, Mg, Na, Mn, Cu, Zn)	----------
Iron	mg/L	---------
Conductivity	µmhos/cm	----------
Total Dissolved Solids	mg/L	---------
Total Suspended Solids	mg/L	--------
Biochemical Oxygen Demand	mg/L	--------
Chemical Oxygen Demand	mg/L	--------
Antimony	mg/L	--------
Barium	mg/L	--------
Beryllium	mg/L	---------
Cobalt	mg/L	----------
Molybdenum	mg/L	----------
Thallium	mg/L	----------
Vanadium	mg/L	---------
Benzene, Toluene, Ethylbenzene & Xylene (BTEX)	mg/L	1.0
Total Petroleum Hydrocarbons (TPH)	mg/L	10.0

APPENDIX A

The District's Local Discharge Limits include a parameter called Total Toxic Organics (TTO). The required analytical methods for TTO analysis are listed in 40 CFR Part 136 and include the following EPA Methods: 624,625, 608, and 1613, respectively. Unless specifically required, EPA Method 1613 for dioxins is not mandatory for routine TTO analysis. The constituents with concentrations greater than the minimum limit/reporting limit must be added together to determine compliance with the District's Local Discharge Limit for TTO of 2.0 mg/L. The following is a list of the constituents of TTO:

EPA Method 624 Compounds

Acrolein
Acrylonitrile
Benzene
Bromodichloromethane (Dichlorobromomethane)
Bromform
Brommomethane (Methyl Bromide)
Carbon tetrachloride (Tetrachloromethane)
Chlorobenzene
Chloroethane (Ethyl Chloride)
2-Chloroethyl vinyl ether
Chloroform (trichloromethane)
Chloromethane (Methyl Chloride)
Dibromochloromethane (Chlorodibromomethane)
1, 2-Dichlorobenzene
1, 3-Dichlorobenzene
1, 4-Dichlorobenzene
1, 1-Dichloroethane
1, 2-Dichloroethane
1, 1-Dichloroethene (1, 1-dichloroethylene)
trans-1, 2-Dichloroethene
1, 2-Dichloropropane
cis-1, 3-Dichloropropene
trans-1, 3-Dichloropropene
Ethylbenzene
Methylene Chloride (Dichloromethane)
1, 1, 2, 2,-Tetrachloroethane
Tetrachloroethene (PCE)
Toluene
1, 1, 1-Trichloreothane
1, 1, 2-Trichloroethane
Trichloroethene (TCE)
Trichlorofluoromethane
Vinyl chloride (Chloroethylene)

EPA Method 625 Compounds

Acenaphthene
Acenaphthylene
Anthracene
Benzidine
Benzo (a) anthracene
Benzo (a) pyrene
Benzo (b) fluoranthene
Benzo (g, h, i) perylene
Benzo (k) fluoranthene
Benzyl butyl phthalate
bis (2-Chloroethoxy) methane
bis (2-Chloroethyl) ether
bis (2-Chloroisopropyl) ether
bis (2-Ethylhexyl) phthalate
4-Bromophenyl phenyl ether
4-Chloro-3-methylphenol
2-Chloronaphthalene
2-Chlorophenyl
4-Chlorophenyl phenyl ether
Chrysene
Dibenzo (a, h) anthracene
1, 2-Dichlorobenzene
1, 3-Dichlorobenzene
1, 4-Dichlorobenzene
3, 3'-Dichlorobenzidine
2, 4-Dichlorophenol
Diethyl phthalate
2,4-Dimethylphenol
Dimethylphthalate
Di-n-butylphthalate
2, 4-Dinitirophenol
2, 4-Dinitrotoluene
2, 6-Dinitrotoluene
Di-n-octylphthalate
1.2-Diphenylhydrazine/Azo
Fluoranthene
Fluorene
Hexachlorobenzene
Hexchlorobutadiene
Hexachlorocyclopentadiene
Hexachloroethane
Indeno (1, 2, 3-cd) pyrene
Isophorone
2-Methyl-4, 6-dinitrophenol
Naphthalene
Nitrobenzene
2-Nitrophenol
4-Nitrophenol
N-Nitrosodimethylamine
N-Nitroso-di-n-propylamine
N-Nitrosodiphenylamine
Pentachlorophenol
Phenanthrene
Phenol
Pyrene
1, 2, 4-Trichlorobenzene
2, 4, 6-Trichlorophenol

EPA Method 608 Compounds

Aldrin
alpha-BHC
beta-BHC
delta-BHC
gamma-BHC (Lindane)
Chlordane
4, 4'-DDD
4, 4'-DDE
4,4'DDT
Dieldrin
Endosulfan I
Endosulfan II
Endosulfan sulfate
Endrin
Endrin aldehyde
Heptachlor
Heptachlor epoxide
PCB 1016
PCB 1221
PCB 1232
PCB 1242
PCB 1248
PCB 1254
PCB 1260
Toxaphene