Environmental Control Division

Industrial User Survey And Wastewater Discharge Application

INTRODUCTION

Pursuant to Local, State and Federal law, all persons who are users or may become users of the collection system and Wastewater Treatment Facility are subject to regulation. These regulations apply National Pretreatment Standards to protect the waters of the United States. The industrial user survey allows the City of Merced to maintain these standards with local users. Some of the objectives of these regulations are:

- To prevent the introduction of pollutants into the Collection System which will interfere with the operation of the Wastewater Treatment Facility or contaminate the resulting sludge generated;
- To prevent the introduction of pollutants into the Collection System which will pass through the system, inadequately treated, into any waters of the State or otherwise be incompatible with the Wastewater Treatment Facility; and
- To provide for the regulation of direct and indirect discharges to the Collection System and Wastewater Treatment Facility, through the issuance of permits to certain nondomestic Users and through enforcement of general requirements for the other Users; authorizes monitoring and enforcement activities, requires User reporting and provides for the setting of fees for the equitable distribution of costs.

1. COMPANY BUSINESS NAME _____

Site Location: _____ Phone: ( ) _____

City: _____ State: _____ Zip: _____

Mailing Address: _____

City: _____ State: _____ Zip: _____

2. CHIEF EXECUTIVE OFFICER

Name: _____ Title: _____

Mailing Address: _____ Phone: ( ) _____

City: _____ State: _____ Zip: _____

3. PERSON ON SITE ***(Authorized to Represent this Firm in Official Dealings with the City)***

Name: _____ Title: _____

4. TYPE OF APPLICATION & WASTEWATER SURVEY

☐ Renewal for existing facility

☐ Revision for change in discharge or facilities modification

☐ New facility (Anticipated date of discharge commencement: _____)

☐ Change in ownership

5. GENERAL CONDITIONS

a. All terms used herein are as defined in the Merced Municipal Code, Title 15.

b. Where industrial or commercial wastes are discharged, a Wastewater Discharge Permit may be issued to the User (or rejected) subject to the requirements of Federal, State and local regulations.

c. All information and data obtained from this industrial user survey shall be available to the public or other governmental agencies without restrictions unless the owner specifically requests and is able to demonstrate to the satisfaction of the city that the release of such information would divulge information, which would be detrimental to the owner's competitive position.

d. A Permit issued in response to this Application/Survey is subject to all applicable provisions of the Merced Municipal Code, NPDES No. CA 0079219 for the operation of the City of Merced Wastewater Treatment Facility and all applicable State and Federal Regulations.

e. A Permit issued in response to this Application/Survey is required for construction and operation of any industrial or commercial wastewater pretreatment facilities and/or continued operation of existing wastewater pretreatment facilities.

f. This Application/Survey, a Permit issued in response to this Application/Survey and all reports or information submitted pursuant to the requirements of such Permit must be signed and certified by an authorized representative of the User.

g. The provisions of a Permit issued in response to this Application/Survey are severable and, if any provision of such Permit or the Application/Survey of any provision of such Permit to any circumstances is held invalid, the Application/Survey of such provision to other circumstances and the remainder of such Permit shall not be affected thereby.

h. It is the responsibility of each Industrial or Commercial User to insure that all sludges generated by the User of a Permit issued in response to this Application/Survey, are managed under applicable sludge management requirements specified in all applicable State and Federal regulations.

i. Notice is hereby given that any and all significant violations of provisions of the Merced Municipal Code by the User of a Permit issued in response to this Application/Survey or any other Users of the Collection System and a list of resulting enforcement actions taken by the City of Merced will be published each year in the local newspaper. For the purpose of this Section, a "significant violation" shall be as defined in Subsection 1.03.64 of the Sewer Use Ordinance of MSD.

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6. GENERAL INSTRUCTIONS

a. Submit the completed Application/Survey and attachments to:

City of Merced
Environmental Control Division
1776 Grogan Ave.
Merced, CA 95340

7. INDUSTRIAL CATEGORY

If your facility employs processes in any of the industrial categories or business activities listed below, place a check beside the category or business activity. (Check all that apply.)

a. Industrial Categories

(1) ☐ Aluminum Forming
(2) ☐ Asphalt Manufacturing
(3) ☐ Battery Manufacturing
(4) ☐ Beverage Bottling
(5) ☐ Canning Foods
(6) ☐ Carbon Black Manufacturing
(7) ☐ Cement Manufacturing
(8) ☐ Coil Coating
(9) ☐ Copper Forming
(10) ☐ Dairy Products Processing
(11) ☐ Electronic Components Mfg.
(12) ☐ Electroplating
(13) ☐ Explosives Manufacturing
(14) ☐ Feedlots
(15) ☐ Ferro Alloy Manufacturing
(16) ☐ Fertilizer Manufacturing
(17) ☐ Foundries: Metal Mold & Casting
(18) ☐ Glass Manufacturing
(19) ☐ Grain Mills
(20) ☐ Gum & Wood Chemicals Mfg.
(21) ☐ Ink Formulating
(22) ☐ Inorganic Chemical Manufacturing
(23) ☐ Laundry
(24) ☐ Leather Tanning & Finishing
(25) ☐ Meat Processing
(26) ☐ Medical Care Operations
(27) ☐ Metal Finishing
(28) ☐ Metal Molding and Casting
(29) ☐ Mineral and Ore Processing
(30) ☐ Nonferrous Metal, Form & Powders
(31) ☐ Nonferrous Metals Manufacturing
(32) ☐ OCPSF, Organic Chemicals, Plastics, & Synthetic Fiber Mfg.
(33) ☐ Oil & Gas Extraction
(34) ☐ Paint Formulating
(35) ☐ Roofing Materials Manufacturing
(36) ☐ Pesticide Manufacturing
(37) ☐ Petroleum Refining
(38) ☐ Pharmaceutical Manufacturing
(39) ☐ Phosphate Manufacturing
(40) ☐ Photographic Developing
(41) ☐ Plastic Injection Molding and Forming
(42) ☐ Porcelain Enameling
(43) ☐ Printing and Publishing
(44) ☐ Rendering
(45) ☐ Rubber Manufacturing
(46) ☐ Soap & Detergent Manufacturing
(47) ☐ Textile Mills
(48) ☐ Timber products processing
(49) ☐ **Service**
(50) ☐ **Other**

b. Provide a brief narrative description of the manufacturing, production or service activities your firm performs.

Number	Description of Activities

7. INDUSTRIAL CATEGORY *(Continued)*

c. Indicate Standard Industrial Classification Number(s) [SIC Code(s)] for all processes (if more than one applies, list in descending order of importance.

_____ _____ _____ _____

d. List chemicals and other materials (both liquid and solid), which are used or stored in containers equal to or greater than 50 gallons. Please include the Safety Data Sheets for each of the chemicals, except for oils. (Attach additional sheets if needed.)

Chemical / Material	Size of Container	# of Containers on Hand

Chemical / Material	Size of Container	# of Containers on Hand

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8. SOURCES OF WATER

a. Water Sources — Gallons Per Day (GPD) — Metered

1) City ____ GPD ☐
2) Well or Spring ____ GPD ☐
3) Surface Water ____ GPD ☐
4) Other ____ GPD ☐ Specify: ____

b. Name of Water Authority: City of Merced

c. Name of Water Bill Account: ____

d. Water Bill Account Info.: ____

Water Meter Number	Meter Size (inches)

9. DISPOSITION OF WATER

a. Disposition of Source Water (MGD)

Type of Disposition	City	Spring or Well	Surface Water	Other	Metered
1) Sewer					☐
2) Storm Drain					☐
3) Ground					☐
4) Incorporated in Product					☐
5) Waste Hauler					☐
6) Septic Tank					☐
7) Evaporation					☐
8) **Total (1) through (7)**					

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10. SPECIFIC USES OF WATER

a. Identify the Uses of Incoming Water (Estimate Gallons Per Day, GPD)

Use	Amount (GPD)	Metered
1. Domestic (Restrooms)		☐
2. Boiler make-up		☐
3. Cooling Water, Non-contact		☐
4. Cooling Water, Contact		☐
5. Processing Product		☐
6. Washdown of Plant and/or Equipment		☐
7. Air Pollution Control Unit		☐
8. Other (specify)		☐
9. **Total (1) through (8)**		

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11. BUSINESS HOURS AND NUMBER OF EMPLOYEES

a. Days per week that the facility is open for operations: _____

b. Number of Employees: _____

	1st Shift		2nd Shift		3rd Shift	
Number of Hours						
Average # of Employees						
Start Time						

12. INDUSTRIAL WATER USES

a. A daily average flow limit based on a 30-day period and a maximum 24-hour flow limit will be issued in the permit to Discharge Industrial Waste based on the information submitted below.

b. A daily average concentration limit based on a 30-day period and a maximum 24-hour concentration limit for Biochemical Oxygen Demand (BOD) and for Total Suspended Solids (TSS) will not to be exceeded during the period of the Permit.

1) Total discharges including sanitary wastes for which a Permit to Discharge Industrial Waste is requested:

	Currently		**During the Period of Upcoming Permit ****	
	Daily Average Based on 30-Day Period	**Maximum Based on 24-Hour Period**	**Daily Average Based on 30-Day Period**	**Maximum Based on 24-Hour Period**
Flow (GPD)				
BOD (mg/L) *				
TSS (mg/L) *				

(If known)*

2) Are any process changes or expansions planned during the next 5 years, which would alter wastewater volumes or characteristics?

☐ Yes

☐ No

3) If yes, briefly describe these changes and their effects on the wastewater volume and characteristics: (Attach additional sheets if needed)

_____

_____

_____

_____

_____

13. PROCESS WASTES

a. Types of waste discharged to building sewer *(circle numbers)*:

1. Flammable
2. Temperature over 100^0 F.
3. Toxic or Poisonous
4. Toxic Gases
5. Colored
6. Odorous
7. Acidic or caustic (pH under 6.0 or over 10.5)
8. Saline (TDS above 2000 mg/L)
9. Sulfides
10. Cyanides
11. Radioactive materials
12. Heavy Metals
13. Cooling water, blowdown or bleed water
14. Petroleum based soluble oils
15. Petroleum based oils
16. Rainwater or dilution water
17. Wash & cleaning water
18. Particles larger than 3/8" in any dimension
19. Organic material (BOD, COD)
20. Suspended solids
21. Other *(specify)*: _____

13. **PROCESS WASTES** ***(Continued)***

b. Are any liquid wastes, by-products, material residues or sludges from this facility disposed of by a means other than discharging to the City of Merced Collection System?

☐ Yes (If "yes", complete items 13. b., c., d. and e.)

☐ No (If "no", skip remainder of Section 13.)

c. These wastes may best be described as:

Generated Wastes	Description	Estimated Gallons or Pounds Per Year Generated
Acids		
Alkalies		
Heavy Metal Sludges		
Inks/Dyes		
Oil and/or Grease		
Organic Compounds		
Paints		
Pesticides		
Settleable Residues		
Solvents		
Other Hazardous Wastes		
By-Products		
Other Wastes		

d. For the above checked wastes, does your company practice?

☐ On-site Storage

☐ Off-site Storage

☐ On-site Disposal

☐ Off-site Disposal

e. Has an Accidental Discharge Control and Countermeasure Plan been prepared for the facility?

☐ Yes

☐ No

f. Briefly describe the method(s) of storage or disposal checked above. Indicate whether landfill, incineration, resource recovery, contract hauling or RCRA regulated practices. Identify contract parties or facilities involved.

_____

_____

_____

13. **PROCESS WASTES** ***(Continued)***

g. Do any of your substances require Resource Conservation and Recovery Act permits?

☐ Yes (If "yes", please specify.)

☐ No

_____

_____

_____

14. **PRETREATMENT**

Is any water utilized at the facility pretreated before it is discharged to the City Collection System? *(Possible water uses requiring pretreatment are: contaminated cooling water, water used for processing product, equipment facility washdown, air pollution control unit)*

☐ Yes (If "Yes", please complete this section, Section 15.)

☐ No (If "No", skip this section, Section 15.)

a. Indicate all pretreatment devices or processes used for treating wastewater or sludge. (Check all that are utilized.)

☐ Activated carbon	☐ Ion Exchange
☐ Air stripping	☐ Microfiltration
☐ Centrifuge/ Cyclone Separation	☐ Nanofiltration
☐ Chemical Precipitation	☐ Ozonation
☐ Chlorination	☐ pH Neutralization
☐ Cyanide Destruction	☐ Reverse Osmosis
☐ Dissolved Air Floatation	☐ Screening
☐ Filtration	☐ Septic Tank
☐ Flocculation	☐ Silver Recovery
☐ Flow Equalization	☐ Solvent Separation
☐ Grease or Oil Separation (Petroleum)	☐ Biological Treatment
☐ Grease Trap (Animal/Vegetable)	☐ Ultrafiltration
☐ Grit Sedimentation	☐ Other *

* specify: _____

b. Are major pretreatment operations ☐ batch? ☐ continuous?

c. If the major pretreatment operations are batch, indicate:

Average number per month _____ or per day _____
Discharge per batch (gallons) _____

d. Is any new or modified pretreatment planned for this facility within the next 5 years?

☐ Yes (If "Yes", attach detailed plans and operational descriptions.)

☐ No

14. PRETREATMENT *(Continued)*

e. List raw materials that come in contact with process water.

1) _____	5) _____	9) _____
2) _____	6) _____	10) _____
3) _____	7) _____	11) _____
4) _____	8) _____	12) _____

15. OPERATIONS EFFECTING PRETREATMENT

a. Peak hourly flow (gal/min): _____ Annual daily average flow (gal/day): _____

b. Is operation subject to seasonal variation?

☐ Yes

☐ No

c. If "Yes", indicate:

(1) Seasonal maximum waste flow _____ gallons per day (GPD) during the months of _____

(2) Seasonal minimum waste flow _____ gallons per day (GPD) during the months of _____

d. Does operation shut down for vacation, maintenance, or other reasons?

☐ Yes

☐ No

e. If "Yes" indicate period when shutdown occurs: _____

f. List any water recycling processes in use.

Type of process	Describe

g. If a new waste discharge is proposed, describe fully, all materials that will come in contact with water and anticipated volume and characteristics of wastewater and any by-products, materials residues or sludges.

_____

_____

_____

16. MONITORING

a. Number of monitoring and/or sampling points located on property: _____

b. Sewer connection and discharge information:

(1) Provide a facility site plan showing a flow diagram of the sewer lines indicating pipe sizes and types of manufacturing discharge they carry. Also show pertinent structures, streets, alleys, streams, manholes, and sewer sampling points. Label each sewer outlet from building as Pipe 1, Pipe 2, etc.

(2) Is there an existing sump(s) or manhole(s) on the premises where wastes (industrial waste other than sanitary waste) can be sampled and flow measured?

☐ Yes

☐ No

c. Permits and Wastewater Analyses

(1) List all environmental permits. (i.e.: NPDES, air, storm runoff)

Type of Permit	Permit Number	Expiration Date

(2) Have your wastes been sampled by the City or Merced County Environmental Health Department?

☐ Yes

☐ No

(3) If "Yes", then when was the last date? _____

d. If any chemical wastewater analyses have been performed on the wastewater discharge(s) from your facility, attach a copy of the most recent data to this application. Be sure to include the date of the analysis, name of laboratory performing the analysis, and location(s) from which sample(s) were taken (attach sketches, plans, etc., as necessary).

18. WASTE CHARACTERIZATION

a. Priority Pollutant Information: Please indicate by placing a "√ " in the appropriate box by each listed chemical that is in your manufacturing or service activity or generated as a by-product.

Chemical Name	EPA STORET Code	Check if Present at Facility	Check if Absent at Facility	Check if Present in Discharge	Check if Absent in Discharge	Concentration in Discharge, if Known (mg/l)
Acid Extractable Organics						
2-Chlorophenol	34586	☐	☐	☐	☐	☐
2,4-Dichlorophenol	34601	☐	☐	☐	☐	☐
2,4-Dimethyphenol	34606	☐	☐	☐	☐	☐
2,4-Dinitrophenol	34616	☐	☐	☐	☐	☐
2-Methyl-4,6-dinitrophenol	34657	☐	☐	☐	☐	☐
4-chloro-3-methylphenol	34452	☐	☐	☐	☐	☐
2-Nitrophenol	34591	☐	☐	☐	☐	☐
4-Nitrophenol	34646	☐	☐	☐	☐	☐
Pentachlorophenol	39032	☐	☐	☐	☐	☐
Phenol	34694	☐	☐	☐	☐	☐
2,4,6,-Trichlorophenol	34621	☐	☐	☐	☐	☐
Base Neutral Organics						
1,2,4-Trichlorobenzene	34551	☐	☐	☐	☐	☐
1,2-Dichlorobenzene	34536	☐	☐	☐	☐	☐
1,2-Diphenylhydrazine	34346	☐	☐	☐	☐	☐
1,3-Dichlorobenzene	34566	☐	☐	☐	☐	☐
1,4-Dichlorobenzene	34571	☐	☐	☐	☐	☐
2,4-Dinitrotoluene	34611	☐	☐	☐	☐	☐
2,6-Dinitrotoluene	34626	☐	☐	☐	☐	☐
2-Chloronaphthalene	34581	☐	☐	☐	☐	☐
3,3-Dichlorobenzidine	34631	☐	☐	☐	☐	☐
4-Bromophenyl phenyl ether	34636	☐	☐	☐	☐	☐
4-Chlorophenyl phenyl ether	34641	☐	☐	☐	☐	☐
Acenaphthene	03405	☐	☐	☐	☐	☐
Acenaphthylene	34200	☐	☐	☐	☐	☐
Anthracene	34220	☐	☐	☐	☐	☐
Benzidine	39120	☐	☐	☐	☐	☐
Benzo (a) anthracene	34526	☐	☐	☐	☐	☐
Benzo (a) pyrene	34247	☐	☐	☐	☐	☐
Benzo (b) fluoranthene	34230	☐	☐	☐	☐	☐
Benzo (ghi) perylene	34521	☐	☐	☐	☐	☐

18. WASTE CHARACTERIZATIONS *(Continued)*

Chemical Name	EPA STORET Code	Check if Present at Facility	Check if Absent at Facility	Check if Present in Discharge	Check if Absent in Discharge	Concentration in Discharge, if Known (mg/l)
Base Neutral Organics *(continued)*						
Benzo (k) fluoranthene	34242	☐	☐	☐	☐	☐
Bis(2-chloroethoxy) methane	34278	☐	☐	☐	☐	☐
Bis(2-chloroethyl) ether	34273	☐	☐	☐	☐	☐
Bis(2-chloroisopropyl) ether	34283	☐	☐	☐	☐	☐
Bis(2-ethylehexyl) phthalate	39100	☐	☐	☐	☐	☐
Butyl benzyl phthalate	34292	☐	☐	☐	☐	☐
Chrysene	34320	☐	☐	☐	☐	☐
Di-n-butyl phthalate	39110	☐	☐	☐	☐	☐
Di-n-octyl phthalate	34596	☐	☐	☐	☐	☐
Dibenzo(a,h) anthracene	34556	☐	☐	☐	☐	☐
Diethyl phthalate	34336	☐	☐	☐	☐	☐
Dimethyl phthalate	34341	☐	☐	☐	☐	☐
Fluoranthene	34376	☐	☐	☐	☐	☐
Fluorene	34381	☐	☐	☐	☐	☐
Hexachlorobenzene	39700	☐	☐	☐	☐	☐
Hexachlorobutadiene	34391	☐	☐	☐	☐	☐
Hexachlorocyclopentadiene	34386	☐	☐	☐	☐	☐
Hexachloroethane	34396	☐	☐	☐	☐	☐
Indeno(1,2,3-cd)pyrene	34403	☐	☐	☐	☐	☐
Isophorone	34408	☐	☐	☐	☐	☐
N-nitroso-di-n-propylamine	34428	☐	☐	☐	☐	☐
N-nitrosodimethylamine	34438	☐	☐	☐	☐	☐
N-nitrosodiphenylamine	34433	☐	☐	☐	☐	☐
Naphthalene	34696	☐	☐	☐	☐	☐
Nitrobenzene	34447	☐	☐	☐	☐	☐
Phenanthrene	34461	☐	☐	☐	☐	☐
Pyrene	34469	☐	☐	☐	☐	☐
Metals						
Aluminum	01104	☐	☐	☐	☐	☐
Antimony	01097	☐	☐	☐	☐	☐
Arsenic	01002	☐	☐	☐	☐	☐
Beryllium	01012	☐	☐	☐	☐	☐
Cadmium	01027	☐	☐	☐	☐	☐
Chromium	01034	☐	☐	☐	☐	☐

18. WASTE CHARACTERIZATIONS *(Continued)*

Chemical Name	EPA STORET Code	Check if Present at Facility	Check if Absent at Facility	Check if Present in Discharge	Check if Absent in Discharge	Concentration in Discharge, if Known (mg/l)
Metals *(continued)*						
Copper	01042	☐	☐	☐	☐	☐
Lead	01051	☐	☐	☐	☐	☐
Mercury	71900	☐	☐	☐	☐	☐
Molybdenum	01062	☐	☐	☐	☐	☐
Nickel	01067	☐	☐	☐	☐	☐
Selenium	01147	☐	☐	☐	☐	☐
Silver	01077	☐	☐	☐	☐	☐
Thalium	00982	☐	☐	☐	☐	☐
Zinc	01092	☐	☐	☐	☐	☐
Inorganics						
Barium	01007	☐	☐	☐	☐	☐
Chloride	00940	☐	☐	☐	☐	☐
Cyanide	00720	☐	☐	☐	☐	☐
Fluoride	00951	☐	☐	☐	☐	☐
Purgeable Volatile Organics						
1,1,1-Trichloroethane	34506	☐	☐	☐	☐	☐
1,1,2,2-Tetrachloroethane	34516	☐	☐	☐	☐	☐
1,1,2-Trichloroethane	34511	☐	☐	☐	☐	☐
1,1-Dichloroethane	34496	☐	☐	☐	☐	☐
1,1-Dichloroethylene	34501	☐	☐	☐	☐	☐
1,2-Dichloroethane	34531	☐	☐	☐	☐	☐
1,2-Dichloropropane	34541	☐	☐	☐	☐	☐
2-Chloroethyl vinyl ether	34576	☐	☐	☐	☐	☐
Acrolein	34210	☐	☐	☐	☐	☐
Acrylonitrile	34215	☐	☐	☐	☐	☐
Benzene	34030	☐	☐	☐	☐	☐
Bromodichloromethane	32101	☐	☐	☐	☐	☐
Bromoform	32104	☐	☐	☐	☐	☐
Bromomethane	34413	☐	☐	☐	☐	☐
Carbon tetrachloride	32102	☐	☐	☐	☐	☐
Chlorobenzene	34301	☐	☐	☐	☐	☐
Chloroethane	34311	☐	☐	☐	☐	☐
Chloroform	32106	☐	☐	☐	☐	☐
Chloromethane	34418	☐	☐	☐	☐	☐
cis 1,3-Dichloropropene	34704	☐	☐	☐	☐	☐
Dibromochloromethane	32105	☐	☐	☐	☐	☐
Ethylbenzene	34371	☐	☐	☐	☐	☐
Methylene chloride	34423	☐	☐	☐	☐	☐
Tetrachloroethylene	34475	☐	☐	☐	☐	☐

18. WASTE CHARACTERIZATIONS *(Continued)*

Chemical Name	EPA STORET Code	Check if Present at Facility	Check if Absent at Facility	Check if Present in Discharge	Check if Absent in Discharge	Concentration in Discharge, if Known (mg/l)
Purgeable Volatile Organics *(continued)*						
Toluene	34010	☐	☐	☐	☐	☐
trans 1,3-Dichloropropene	34699	☐	☐	☐	☐	☐
trans-1,2-Dichloroethylene	34546	☐	☐	☐	☐	☐
Trichloroethylene	39180	☐	☐	☐	☐	☐
Trichlorofluoromethane	34488	☐	☐	☐	☐	☐
Vinyle chloride	39175	☐	☐	☐	☐	☐
Others						
Xylene	81551	☐	☐	☐	☐	☐

b. For chemical compounds listed above which are indicated to be "Present at your facility", please list and provide the following data for each. (Attach additional sheets if needed.)

Chemical Compound	Annual Usage (lbs.)	Estimated Loss to Sewer (lbs./Yr.)	Chemical Compound	Annual Usage (lbs.)	Estimated Loss to Sewer (lbs./Yr.)

19. EXECUTION OF APPLICATION

Company Name: _____

Authorized Signature: * _____

Title: _____

Date: _____

**** Authorized signature must correspond to Item 2 or 3 from Page 1 of this Application.***