Why a Questionaire? Each waste water facility has its own variable characteristics. Therefore, we cannot establish a universal application for biological additives. This form was developed for your convenience to provide us with specific data.

Accurate and **Complete** information is essential for us to provide a custom recommendation for your use that will produce the positive results that justify the effort.

We wish to thank each of you that cooperate in providing us with this information. Please fill in each catagory on the form that applies to your facilities.

	AME		DESIGN					
ADDRESS _			CURRE	NT NORMAL FLOW				
			PRESEN	NT CONVERSION FACTOR				
Phone No								
Preparer'(s) N	Name (Please Print) _			Title	· ·			
	Pr	eparer'(s) Signature	ə <u></u>					
Preparer'(s) I	Name (Please Print)			Title				
For what purp								
WASTE-	WATER QUAL			Influent Effluen				
	Influent	Effluent	Suspended Solids*	mg/L				
pН			% volatile of SS		_			
BOD	mg/L	mg/L	Grease, Oils & Fats	mg/L	_ mg/L			
Turbidity			Conductivity Reading		_			
NAME OF OUR OF INTE								
*******		OR COMPO						
YPE OF	· · · · · · · · · · · · · · · · · · ·		drawn sketch showing the	components and flow patter	'n.			
YPE OF	plant drawing, please s	end a copy or hand	drawn sketch showing the c Final Clarifier(s)	components and flow patter Primary Clari				
YPE OF you have a p	plant drawing, please s	end a copy or hand						
YPE OF you have a p	plant drawing, please so vated Sludge bic Digester(s)	end a copy or hand	Final Clarifier(s)	Primary Clari				
YPE OF f you have a p Activ Aero Air F	plant drawing, please so vated Sludge bic Digester(s)	end a copy or hand	Final Clarifier(s) Force Main Relief Valves	Primary Clari				
YPE OF f you have a p Activ Aero Air F Anae	olant drawing, please so vated Sludge obic Digester(s)	end a copy or hand r(s)	Final Clarifier(s) Force Main Relief Valves Imhoff Tank(s)	Primary Clari R B C Units Spirogester	fiers(s)			
YPE OF f you have a p Activ Aero Air F Anae Anae	olant drawing, please so vated Sludge obic Digester(s) Flotation erobic Bio-Film Reacto	end a copy or hand r(s)	Final Clarifier(s) Force Main Relief Valves Imhoff Tank(s) Inverted Siphon(s)	Primary Clari R B C Units Spirogester Thickener(s)	fiers(s)			

COLLECTION SYSTEM

Combin	Combined Sewers?		Infiltration,	High	Low					
If odors Pump S blanks.	are prevalent in c tations — Beginnir For additional sys	ollection syste ng with the stat stems, use A, E	em, where are tion that is the g	If odors are prevalent in collection system, where are they first noticable? Pump Stations — Beginning with the station that is the greatest distance from the treatment facility as number 1, continue toward the plant increasing the numbers and fill in the blanks. For additional systems , use A, B, C and increasing the number going toward the plant (2A, 3A, 4A, etc.)	m the treatment to	facility as numbe	r1, continue tov ., etc.)	ward the plant in	creasing the numbe	ers and fill in the
				Depth	FORCE MAIN	MAIN	No. of	S	SOURCE OF INFLUENT	
N O	Pumping Time to Plant	Gal. or I/day	Diameter or L x W		Size	Length	Relief Valves	% Homes	% Restaurants	% Mfgr. & Kind
					(
Chemi	Chemical(s) used				Cost/Day &	Se Se				
146094			Comments	Dite		, day				
If you !	If you have grease, organic build up, sludge or other problems,	nic build up, sl	udge or other p	problems, please describe.	scribe.					
•										

AERATION BASINS

Volume 1								-
		ent Fair				Excellent		 Poor
Mixed liquor settleabili	ity			Opera	ating consistency			
Surface foam, scum bu	ulking			Odor	Level			
D O Maintained			Slu d g	e volume index .				
Mixed liquor suspende	ed solids							
If microscope is used,	please list the ap	prox. curr	ent % of	microorganisms	3 .			
Amoeboids	Flagellate	es						
Free Swimming Ciliate	es	Nemat	odes		Rotifers			
Stalked Ciliates								
AEROBIC DIGE	ESTERS							
Volume 1	2		3	4	(5		=
Volume of Daily sludge	e feed to each 1 _	- to with	·	2	3	4		
% Volatile of sludge fee	ed solids			- % Total solids	s in sludge to dige	ster		
Where does supernata	ınt go?							
How often do you pum	np supernatant? _							
Foaming: Heavy	L	ight		None				
If water is used to redu	uce surface foam,	how man	y gals./c	lay?				
AIR FLOTATIO	N							
Volume of basins 1	2	-		. 3	4			
Normal DO Reading	-							
What % of solids are in				effluent?		<u></u>		
ANAEROBIC D								
Volume 1		•	F	or S 3	P or S	4		P or S
Volume of daily sludge								
Retention time in Prima					?			
How many are Heated?	?			- % Solids in sl	udge feed?			
% Volatile of sludge fee	ed solids			Temperat	ture maintained	r	ьн	
Mixing: Mechanical	Gas	Bot	h	Neither				
				_ Alkalinity	\	olatile Acids	s	
What is used to adjust	pH?							
What is used to adjust Do these readings fluct	•							
•	tuate or remain s	teady?						
Do these readings fluc	tuate or remain s	teady?	fo	paming				
Do these readings fluci Does digester(s) have s	tuate or remain s scum blanket odor: Offensive _	teady?	fo	oaming none				

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ANAEROBIC DIGESTEI	R(s) — c	ontinued				
Quality % Methane		% CO ₂ .	<u> </u>	% Sulfide		
Quantity	_ cf or m	³ /day; Stea	dy			
Would higher gas producti	ion be use	ed?		<u>. </u>		
CLARIFIER(s) PF	RIMAR	R Y				
Volume 1	2		_ 3	4	5	<u>-</u>
Skimmed grease and scum						·
				•	UI	
CLARIFIERS, FIN						
•			0	4	5	
					m and Grease present?	
EXTENDED AER	ATION					
Volume of basin(s) 1		2		3	4	
% Volatile of influent solids				50.4		
SVI				_ ВОМа	intained	
IMHOFF TANK(s)						
Volume 1			. 3	180.5		
How often is sludge wasted	1?		W	hat is pH of W	asted sludge?	
LAGOON(s)				·	·	
How many cells			· · · · · · · · · · · · · · · · · · ·			
If more than one, are cells i	in series d	or parallel				
		CELL 1	CELL 2	CELL 3	CELL 4	
Dimensions or surface acre	es _					
Donth						
рерип						
•	-					
Aerated?	-					
Aerated? D O Level	-					
Aerated? D O Level Odor Level	- - scribe typ					
Aerated? D O Level Odor Level If floating solids, please des		e, quantity	and location.			
Aerated? D O Level Odor Level If floating solids, please des	l up of so	e, quantity	and location.			
Aerated? D O Level Odor Level If floating solids, please des Is there a sub-surface build OXIDATION DITC	up of so	e, quantity a	and location.			
D O Level Odor Level If floating solids, please des Is there a sub-surface build OXIDATION DITC Single Cell Vol	up of solution	e, quantity a	and location.			
Aerated? D O Level Odor Level If floating solids, please des Is there a sub-surface build OXIDATION DITC	H(s) ume	e, quantity a	and location.			

continued on next page

OXIDATION DITCH (s) — continued CELL 1 CELL I CELL 2 CELL 2 CELL 3 CELL 3 pН MLSS ______ DO SVI How often is sludge wasted? NOTE: Please fill in sections on clarifier and Digester if a part of system. PACKAGE PLANT(s) Mfgr. Please fill in known data on the sections headed aeration basins, Final Clarifier and Digester if part of system. Alternative: Describe system, size, whatever data is known, and list problems incurred. **RBC UNITS** Age _____ Mfar. _____ _ Electrically Driven _____ Gas Driven Is design for BOD removal only, or also for nitrification? How many cell basins? Volume of each _____ Are all cells used simultaneously? Number of stages per cell ______ water temp _____ Hydraulic loading rate ______ q pd/sq. ft. When shaft weight approaches maximum, how is stripping accomplished ______ Do you have development of white bio-mass ______ If yes, is it on first stage only? If designed for nitrification: Last stage D O First stage D O ___ Alkalinity in nitrifying stages _____ pH in nitrifying stages ____ What is SVI of clarifier influent SLUDGE DISPOSAL % Total solids in Waste Sludge ______ % Volatile _____ _____ Agri-land applications _____ Belt press _____ Centrifuge ____ Filter press ____ Incenerator _____ Sludge drying beds _____ Sludge lagoon _____ Vacuum filter drying bed _____ Other; please describe _____

_____ per ____ mth. qtr. yr.

No. of wet/dry loads of sludge transported _____

Cost per load \$ ____

		d	
	n, and desired improvement. How often is sl		
pH of wasted sludge	SVI of return sludge		
TRICKLING FILTER	(s)/Bio-Tower Filters		
If more than one, are filters pa	arallel □ series □		
If there is recirculation show pa	attern,		
THICKENER(s) Volume; 1 2			
% Solids going in	% Solids Out		
Thickened sludge goes to	· · · · · · · · · · · · · · · · · · ·		
SVI			
Is air or fresh water added?			
If yes, quantity	Method		
ZIMPRO PROCESSO)R		
BOD of processor decant			
Please list desired change(s) ar	nd applicable information.		
Any problem area	s not covered in survey, please describ	e on separate sneet and attach.	

Organic Waste Eliminator



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STAPLE or TAPE