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by		

Backflow Plan Check Information Form (Domestic & Residential Fire Systems)

(Domestic & Neside	ential i ne Systems)		
Type of Business:			
Service Address:			
Contact Person / Phone:	(Architect / Contractor / Owner)		
	et. (Passive purge systems must be connected to toilet.) ge systems is "suitable for potable water" (ref. Table		
Backflow: A backflow device i	A backflow device is required due to the following conditions or cross-		
connection hazards:			
Type Required*: □ RP □ DC □ PVB			
□ USC Foundation Approved (see http://fccc □ Low Lead □ Low Lead Not Re Anticipated Installation Date / Existing**: □ Location of backflow device shown on plan (see requirements on sheet 2); □ Backflow Information (Size, Make, Model, S/N) listed on plan; □ Site plan showing curb face and property line; □ Manufacturer's cut sheet shown on plan;	quired (non-potable uses only)		
Plan Check By:			
Plan check approval date:	(Name)		
* RP is required for commercial applications; DC accepted for irrigation where the backflow device is a ** Approval for existing backflow devices will be gran	·		

LBWD Engineering Development Services – (562) 570-2419

Note: This form and these guidelines are subject to change without notice.

Please contact us to confirm current plan check guidelines.

□ Database entry complete □ Plan scanned & saved □ Form scanned & saved



NOTE: Backflow prevention device may be required depending on the existing or potential degree of hazard which exists on the facility. Please refer to LBWD Rules and Regulations, Part 8, for more information.

П	California Plumbing Code, latest edition adopted by the City. Plan check will be by the City of Long Beach Development Services.
	If LBWD Backflow & Meter Shop personnel deem the device location(s) to be inaccessible, device certification testing must be performed by a Certified Backflow Prevention Device Tester contracted by the owner.

☐ The existing backflow prevention assembly is not low lead. In the event that the water service is shut down for any reason, the Long Beach Water Department may require that the device be replaced with a low-lead unit prior to restoring service.

□ Location of Backflow Preventers:

LBWD Backflow Plan Check is for protection of the public water supply only. The Health Department has jurisdiction beyond the "meter-protection" backflow device. The identified cross-connection hazards (as listed on page 1 of this form) may not be comprehensive. The following criteria shall apply to ALL locations where LBWD requires a backflow device:

o <u>THE DEVICE SHALL BE OUTSIDE OF THE PUBLIC RIGHT-OF-WAY.</u>

"A reduced pressure principle backflow prevention device shall be located as close as practical to the user's connection and shall be installed a minimum of twelve inches (12") above grade and not more than thirty-six inches (36") above grade measured from the bottom of the device and with a minimum of twelve inches (12") side clearance." (17 CA ADC § 7603)

Water services 2" and smaller shall be sized per the CPC, latest edition.

In cases where sizing per CPC is not applicable, it is advised that demand (in gallons per minute / gpm) at the water meter should not exceed the following Meter Size and Lateral Size Criteria:

Safe Maximum Operating Capacity, (defined as 10 percent of usage, or 2 hours per day), and the Recommended Maximum Rate for Continuous Operation (per AWWA C700-15. Table 1):

	1	Turradad Operación	10017111111110100110	, rabio 1/1
Meter Size:	3/4"	1"	1 ½"	2"
Safe Max (GPM):.	30	50	100	160
Continuous (GPM):	15	25	50	80

Lateral size	3/4"	1"	1 ½"	2"	3"	4"	6"	8"	10"	12"
Demand (gpm)	11	19	44	78	156	310	700	1250	1950	2800

Based on maximum velocity of 8 feet per second.

The minimum water lateral and meter size shall be 1-inch for services with Residential Fire Sprinkler Systems.

Apartments with 10 units or more shall be sized assuming a continuous flow per the CPC flow calculation. Application of continuous or safe max value shall be at discretion of LBWD plan checker.



Please choose from the following:

Frequ	ently identified Cross-Connection Hazards:
	Gravity Grease Interceptor on Site
	Ice Maker
	Mop sink
	Multi-storied Buildings (3 stories or more)
	Trap Primer
Other	:
	Aircraft and Automobile Manufacturing Plants
	Apartment Building
	Beverage Bottling Plants
	Buildings with house pumps and/or water storage tank
	Buildings with Sewage ejectors
	Breweries
	Canneries, Packing Houses and Reduction Plants
	Car Wash with water reclamation system
	Centralized Heating and Air Conditioning Plants
	Chemical Plants
	Chemically Treated Potable Water Systems
	Condominium
	Commercial Laundries
	Cold Storage Plants
	Dye Works
	Film Processing Laboratories
	Food Processing Plants
	High Schools and Colleges
	Hospitals and Convalescent Facilities
	Irrigation Systems (premises having separate systems - such as parks, playgrounds, cemeteries, golf courses, and schools)
	Laboratories using toxic materials
	Manufacturing, Processing and Fabricating Plants using toxic and non-toxic materials
	Medical and Dental Buildings
	Mobile Home Parks
	Mortuaries

Multiple Services-Interconnected



Oil and Gas Production Facilities
Paper and Paper Production Plants
Plating Plants
Radioactive Materials Processing Facilities
Restricted, Classified or other Closed Facilities
Rubber Plants
Sewage and Storm Drainage Pump Facilities
Single-Family Residence
Others: