

Purchasing & Contracting Office

Camp Dodge – Building 3465 7105 NW 70th Avenue Johnston, Iowa 50131-1824



NGIA-SCO March 3, 2022

MEMORANDUM FOR: ALL BIDDERS

SUBJECT: Addendum #1 to RFQ # RJ2022S0009 – Cross Connection Survey

ADDENDUM #3

I. Questions and Answers

The following questions were received for the above referenced RFB.

Question 1: Can you provide information regarding each of the facilities listed for cross connection survey, e.g., function of building, i.e., barracks, cafeteria, commissary or etc.?

Answer 1:

Answered on Addendum #1

Question 2: Are you able to provide more information on the buildings/sites to be surveyed?

Answer 2:

Answered on Addendum #2

Question 3: Can you provide information collected in the last cross connection survey with respect to an inventory of backflow assemblies and locations, as well as cross connections summaries?

Answer 3:

Enclosed

Prepared for:

132D CES 3100 McKinley Ave. Des Moines, IA 50321

CROSS CONNECTION CONTROL SURVEY



Site Review: July 24-27. 2017 Final Generation: August 11, 2017

Prepared by:

Hydro Corp 5700 Crooks Road – Suite 100

Troy, Michigan 48098 P: 248.250.5000 or F: 248.786.1789

Table of Contents

GEN	ERAL		1
1.1	INTRODUCTION		1
	1.1.1 PURPOSE		1
	1.1.2 INTENT		1
1.2	EXECUTIVE SUMMA	RY	2
1.3	RELEVANT RULES A	ND LAWS - BACKFLOW PREVENTION	3
		of the city water supply may be required on the	
mair		is detailed by:	
		tures/water using equipment within a facility is	
deta			3
	1.3.3 Testing and te	ester requirements are detailed in:	3
		spection requirements of potable water systems	
cros	connections are detailed	d in:	3
CRC		TROL PROGRAM SURVEY	
2.1		N CONTROL SURVEY RESULTS	
2.2		BACKFLOW PREVENTION ASSEMBLIES	
		Wing	
	2.2.2 BLDG. 101 - 0	CST	
	2.2.3 BLDG. 110 –	FSS/Medical/DFAC	
		TTF	
		Civil Air Patrol	
	2.2.6 BLDG. 132 - E	3X	30
		Army	
	2.2.8 BLDG. 180 - [DTÓC	
		COMM	
		Security	
_		Alert Hangar	
		Heating Plant	
		Pump House	
		unitions Admin.	
		Aunitions	
		DE	
		RPA/ISRG	
		RS	
2.3		TIVE ACTIONS	
		Ving	
		Civil Air Patrol	
		Alert Hangar	
		· ·	
REC	OMMENDATIONS		57
SUN	MARY AND CERTIFICA	TION STATEMENT	58
SUG	GESTED ACTION PLAN	V	59
NDIX	Α		i
A.1	GENERAL INFORMA	TION - PROGRAM IMPLEMENTATION	i
		ION	
		BBREVIATIONS	
		LTS LIST INFORMATION	
77.4.		_ O _ O N O NN/\ O N	V

1.0 GENERAL

1.1 INTRODUCTION

This project addresses some of the requirements of AFI 32-1067, Water and Fuel Systems. In accordance with AFI 32-1067, all facilities must be surveyed for Cross Connections a minimum of once every five years. Additional requirements Cross Connection Control requirements include:

Testing and maintenance of backflow prevention assemblies

Education of those responsible for maintenance and decisions pertaining to the potable water distribution system

HydroCorp, was requested to survey and report on the status of the Cross Connection Control program at the 132D Wing, Des Moines, IA.

HydroCorp has had considerable experience with Cross Connection Control and potable water system surveys. HydroCorp has performed Cross Connection Control work in 26 states, as well as Canada, Puerto Rico and Mexico. HydroCorp is an active member of several organizations regarding Cross Connection Control including the American Backflow Prevention Association, the American Water Works Association, and the USC Foundation for Cross Connection Control and Hydraulic Research.

1.1.1 PURPOSE

The purpose of HydroCorp 's involvement is to review in-field the following items:

- Survey each facility for existing and/or potential cross connections
- Review and verify the proper installation of existing backflow prevention devices
- Recommend corrective actions where a risk of contamination may exist

In addition, HydroCorp was to generate a report outlining the findings and recommending future efforts required to properly maintain the Cross Connection Control Program.

This report consists of survey information concerning existing backflow prevention methods, cross connection hazard assessments, and recommended corrective actions which may assist base personnel with determining a cost for implementation of recommendations. Also, some of the rules and codes outlining requirements for proper Cross Connection Control have been included as part of this report.

1.1.2 INTENT

It is the intention of this survey to identify the requirements and general concerns throughout the base, and make recommendations for the on-going Cross Connection Control Program. This work provides specific listings of both existing backflow prevention methods, and questionable areas/installations with recommendations for correction. HydroCorp remains available to assist 132D Wing personnel in any capacity required to address their requirements.

1.2 EXECUTIVE SUMMARY

This report will be used as a guide for base personnel to determine how it will operate the program. The latest review of the potable water system was completed December 15, 2016. Hydro Corp is grateful for the support from all parties that enabled the completion of this project. Information contained in this report is as was determined by HydroCorp field personnel.

Both "isolation" and "containment" hazards have been addressed by this report. "Containment", also referred to as "premise isolation", is the installation of a backflow prevention device or assembly between the facility and public water distribution system. Containment minimizes the opportunity for water of questionable quality to backflow from the facility into the public water distribution system; however, "containment" does not protect the water within the facility or the occupants of the facility from the hazards of internal cross connections. "Isolation" refers to point of use fixture protection within a facility that is necessary to ensure the facility's internal potable water distribution system is protected against backflow.

The existing backflow prevention devices and potable water uses have been evaluated for the facilities that are connected to the base public water distribution system. Base personnel assisted in determining which facilities received water service and required surveys. Twenty-three (23) locations were surveyed based on information provided by 132p Wing staff.

There are currently fifty-seven (57) recommendations for the 132D Wing noted in this report. A table summarizing recommendations has been included – see below.

2017 SURVEY RESULTS

RECOMMENDATION TYPE	Total
Backflow Prevention Devices to be installed:	34
Testable Assemblies – PVB, RP, DCV and SVB	(6)
Non-Testable Devices – AG, AVB, HBVB, AFHBVB, VMBP, LFDC, LFVB, and VDCV	(28)
Recommendations for the alteration of existing installations, i.e. installing water wasting tees, re-plumb existing assemblies/devices	23
TOTAL RECOMMENDATIONS	57

1.3 RELEVANT RULES AND LAWS - BACKFLOW PREVENTION

Effective 4 February 2015, Air Force Instruction 32-1067, Water and Fuel Systems, provides requirements which Air Force Guard units must comply with. Section 3.3.4.8 requires all facilities be surveyed on a five – (5) year frequency.

In addition to AFI 32-1067, the following rules and codes were used as guidance while preparing this report:

1.3.1 Containment - of the city water supply may be required on the main inlet to any fire system as detailed by:

- AFI 32-1067, section 3.3.4.6
- American Water Works Association M-14 Manual
- Uniform Plumbing Code
- International Plumbing Code

Note: Current codes require a double check valve assembly as minimum requirement on any new systems. AFI 32-1067, section 3.3.4.6.2 exempts existing systems from this requirement under certain conditions. The recommendations in this report will reflect the most stringent standard. Be advised that fire systems that use non-potable water or where chemicals additives are introduced to the system (i.e., AFFF) are not exempt from backflow prevention requirements.

1.3.2 Isolation of fixtures/water using equipment within a facility is detailed in:

- AFI 32-1067
- Uniform Pluming Code
- International Plumbing Code

1.3.3 Testing and tester requirements are detailed in:

- AFI 32-1067, section 3.3.4.9
- Uniform Plumbing Code
- International Plumbing Code
- LAC Title 51, Part XII, section 346

1.3.4 Survey and inspection requirements of potable water systems for cross connections are detailed in:

AFI 32-1067

2.0 CROSS CONNECTION CONTROL PROGRAM SURVEY

Survey Status:

A formal Cross Connection Control survey was completed on July 27, 2017. In accordance with AFI 32-1067 all facilities must be surveyed on a five - (5) year frequency. It may be acceptable to conduct surveys of one-fifth - (1/5) of the facilities on an annual basis to meet this requirement.

Survey Methodology:

HydroCorp field staff utilized the "isolation" approach while conducting the survey. Beginning at the service connection for each facility/site all points of use within the facility were evaluated for proper backflow protection. Existing "containment" at the service connection for each facility's potable water supply and fire protection systems (as applicable) have been annotated in this report. Recommendations have not been made for any further "containment" of domestic service connections. "Isolation" is the preferred method of protection for Air Force Installations as it protects both the water distribution system and the internal water supply of each facility.

Testing:

Reduced pressure principle backflow preventers (RP's), pressure vacuum breakers (PVB's), spill resistant vacuum breakers (SVB's), and double check valve assemblies (DCV's) require testing on an annual basis. There are presently **fifty-six (56)** existing backflow prevention assemblies HydroCorp identified that require annual testing.

A formal testing program has been developed for the entire site. The backflow program manager should maintain a program for testing of all existing backflow prevention assemblies. It should also be noted that backflow prevention assemblies are to be tested immediately upon installation **before** resuming service to the fixture being served. Code and/or Federal/State requirements for backflow prevention device testing and tester qualifications are identified in the Relevant Rules, Section 1.3.3 of this report.

2.1 CROSS CONNECTION CONTROL SURVEY RESULTS

132D Wing - Survey Results

					Cross-									
Facility	Facility	Device		Protection	Connection	Landing	Device		80-4-1	Size	Serial	Danaman dation	Equipment	G
Number	Name	Number	Hazard Level High -	Туре	Туре	Location	Туре	Manufacturer	Model	Size	Number	Recommendation	Status Installed	Comments
BLDG. 100	WING	100-1E	Contaminant	Containment	Both	Boiler Room #130	RP	Watts	909	4	Illegible		Properly	Containment Assembly at Water Meter
			High -									Install Hose Bibb Vacuum	Install	
BLDG. 100	WING	100-2R	Contaminant High -	Isolation	Backsiphonage	Boiler Room #130	HBVB			0.75		Breaker (ASSE #1011)	Required Installed	Hose Threads of Slop Sink
BLDG. 100	WING	100-3E	Contaminant	Isolation	Both	Boiler Room #130	RP	Watts	009 M2	0.75	64879		Properly	Treated Boiler
			High -										Installed	
BLDG. 100	WING	100-4E	Contaminant	Isolation	Backsiphonage	Boiler Room #130	HBVB			0.75			Properly	Hose Bibb on Wall
BLDG. 100	WING	100-5E	High - Contaminant	Isolation	Both	Hallway Outside of Boiler Room #130	AVB			0.5			Install Required	Slop Sink - Supplies Soap Dispenser Through a Valved Wye Connection
DLD 0. 100		100 32	High -	isolation.	Dotti	Hallway Outside of	7.10			0.5			Install	Soap Dispenser (ASSE #1055B) - Supplied From
BLDG. 100	WING	100-6E	Contaminant	Isolation	Backsiphonage	Boiler Room #130	AG			1			Required	Slop Sink Through a Vavled Wye Connection
												Remove Valved Wye		Slop Sink - Supplies Soap Dispenser Through a Valved Wye Connection - No Valves Allowed
												Connection From Hose		Downstream of Vacuum Breaker ASSE 1001 or
			High -			Hallway Outside of						Threads of Slop Sink and	Install	ASSE 1011 - Tee Will Supply Valved Wye and
BLDG. 100	WING	100-7R	Contaminant	Isolation	Both	Boiler Room #130	Install					Install Water Wasting Tee	Required	Soap Dispenser
			High -			Next to Slop Sink in Hallway Outside of							Installed	
BLDG. 100	WING	100-8E	Contaminant	Isolation	Backsiphonage	Boiler Room #130	HBVB			0.75			Properly	Hose Bibb
						Next to Slop Sink in								
BLDG. 100	WING	100-9E	High - Contaminant	Isolation	Backsiphonage	Hallway Outside of Boiler Room #130	HBVB			0.75			Installed Properly	Hose Bibb
BLDG. 100	WING	100-96	Contaminant	isolation	backsipiloliage	Next to Slop Sink in	почь			0.73			Property	Hose Bibb
			High -			Hallway Outside of							Installed	
BLDG. 100	WING	100-10E	Contaminant	Isolation	Backsiphonage	Boiler Room #130	HBVB			0.75			Properly	Hose Bibb
BLDG. 100	WING	100-11E	High - Contaminant	Containment	Both	Pump Room #148	DCV	Ames	2000 SE	8	2EL0768		Repair/Replace	Fire Protection System - System Contains Foam - Inappropriate Backflow Preventer
												Install Reduced Pressure	,,	Supply to Fire Protection system in Pump
			High -									Backflow Prevention	Install	Room #148 - Replaces Inappropriate Existing
BLDG. 100	WING	100-12R	Contaminant High -	Containment	Both	Pump Room #148 West Hangar Next to	RP			8		Assembly (ASSE #1013) Install Hose Bibb Vacuum	Required Install	DCV Due to Foam System
BLDG. 100	WING	100-13R	Contaminant	Isolation	Backsiphonage	Eyewash	HBVB			0.75		Breaker (ASSE #1011)	Required	Hose Threads of Hot Water Hose Bibb
			High -			West Hangar Next to						Install Hose Bibb Vacuum	Install	
BLDG. 100	WING	100-14R	Contaminant	Isolation	Backsiphonage	Eyewash	HBVB			0.75		Breaker (ASSE #1011)	Required	Hose Threads of Cold Water Hose Bibb
			High -									Install Hose Bibb Vacuum	Install	Hose Threads of Hot Water Hose Bibb (NOTE: Hose Bibb Vacuum Breakers not Required if
BLDG. 100	WING	100-15R	Contaminant	Isolation	Backsiphonage	Laundry Room	HBVB			0.75		Breaker (ASSE #1011)	Required	Washing Machine Installed)
			High									Install Hose Ribb Vee:	Install	Hose Threads of Cold Water Hose Bibb (NOTE:
BLDG. 100	WING	100-15R	High - Contaminant	Isolation	Backsiphonage	Laundry Room	HBVB			0.75		Install Hose Bibb Vacuum Breaker (ASSE #1011)	Install Required	Hose Bibb Vacuum Breakers not Required if Washing Machine Installed)
			High -		, , , , , , , , , , , , , , , , , , ,	South East Wall of						,	Installed	,
BLDG. 100	WING	100-17E	Contaminant	Isolation	Backsiphonage	West Hangar	HBVB			0.75			Properly	Hose Bibb
BLDG. 100	WING	100-18E	High - Contaminant	Isolation	Backsiphonage	Wing Classroom	AG			1			Installed Properly	Ice Machine Condenser Drain
155.100		100 101	High -		Suchsipiloriuge	Wing Classroom Bar	7.13			1			Installed	
BLDG. 100	WING	100-19E	Contaminant	Isolation	Backsiphonage	Area	AG			1			Properly	Ice Machine Condenser Drain
BLDG. 100	WING	100-20E	High - Contaminant	Isolation	Both	Janitor's Room #221	AVB			0.5			Install Required	Slop Sink - Supplies Soap Dispenser Through a Valved Wye Connection
DLDG. 100	VVIING	100-20E	High -	isolation	DOLLI	Janitul S NUUIII #221	AVD			0.5			Install	Soap Dispenser (ASSE #1055B) - Supplied From
BLDG. 100	WING	100-21E	Contaminant	Isolation	Backsiphonage	Janitor's Room #221	AG			1			Required	Slop Sink Through a Vavled Wye Connection
														Slop Sink - Supplies Soap Dispenser Through a
												Remove Valved Wye Connection From Hose		Valved Wye Connection - No Valves Allowed Downstream of Vacuum Breaker ASSE 1001 or
			High -									Threads of Slop Sink and	Install	ASSE 1011 - Tee Will Supply Valved Wye and
BLDG. 100	WING	100-22R	Contaminant	Isolation	Both	Janitor's Room #221	Install					Install Water Wasting Tee	Required	Soap Dispenser

Facility Number	Facility Name	Device Number	Hazard Level	Protection Type	Cross- Connection Type	Location	Device Type	Manufacturer	Model	Size	Serial Number	Recommendation	Equipment Status	Comments
			High -									Install Hose Bibb Vacuum	Install	
BLDG. 100	WING	100-23R	Contaminant	Isolation	Backsiphonage	Janitor's Room #221	HBVB			0.75		Breaker (ASSE #1011)	Required	Hose Threads of Hot Water Hose Bibb
BLDG. 100	WING	100-24R	High - Contaminant	Isolation	Backsiphonage	Janitor's Room #221	HBVB			0.75		Install Hose Bibb Vacuum Breaker (ASSE #1011)	Install Required	Hose Threads of Hot Water Hose Bibb
BLDG. 100	WING	100-25E	High - Contaminant	Isolation	Both	Room #315	RP	Watts	009 M2	0.75	64876		Installed Properly	Treated Boiler
5250. 100	*******	100 252	High -	isolation	Dotti	Women's Gym		Watts	003 1112	0.75	0.070		Installed	Treated Bollet
BLDG. 100	WING	100-26E	Contaminant	Isolation	Backsiphonage	Restroom #203A	AG			1			Properly	Hand Held Showers (2)
BLDG. 100	WING	100-27E	High - Contaminant	Isolation	Backsiphonage	Restrooms (10)	RRF						Installed Properly	Restroom Fixtures (29)
BLDG. 101	CST	101-1E	High - Contaminant	Isolation	Backsiphonage	Janitor's Closet	AVB			0.5			Installed Properly	Slop Sink
DLDG. 101	CST	101-11	High -	isolation	backsipilollage	Vehicle Bay Next to	AVD			0.5			Installed	SIOP SIIIK
BLDG. 101	CST	101-2E	Contaminant	Isolation	Backsiphonage	Washing Machine	AG			1			Properly	Ice Machine Condenser Drain
DI DO 404	007	404.05	High -			Vehicle Bay Next to							Installed	si si i
BLDG. 101	CST	101-3E	Contaminant	Isolation	Backsiphonage	Washing Machine North Bay (This Part of	AVB			0.5			Properly	Slop Sink
BLDG. 101	CST	101-4R	High - Contaminant	Isolation	Backsiphonage	Building Soon to be Demoed)	HBVB			0.75		Install Hose Bibb Vacuum Breaker (ASSE #1011)	Install Required	Hose Bibb
DLDG: 101	C31	101 411	Contaminant	isolution	Bucksipilonage	North bay (This Part of	HBVB			0.73		breaker (ASSE #1011)	Required	Tiose bibb
			Low -			Building Soon to be							Installed	
BLDG. 101	CST	101-5E	Pollution	Containment	Both	Demoed)	DCV	Ames	2000 SS	4	2FL1191		Properly	Fire Protection System
BLDG. 101	CST	101-6E	High - Contaminant	Containment	Both	Water Meter in Boiler Room	RP	Watts	909 MOD	2	261999		Installed Properly	Containment Assembly at Water Meter
			High -										Installed	, , , , , , , , , , , , , , , , , , , ,
BLDG. 101	CST	101-7E	Contaminant	Isolation	Backsiphonage	Boiler Room	HBVB			0.75			Properly	Hose Bibb
BLDG. 101	CST	101-8E	High - Contaminant	Isolation	Backsiphonage	Restrooms (4)	RRF						Installed Properly	Restroom Fixtures (9)
5250.101	651	101 02	High -	isolation	Bucksipiloliage	nestrooms (1)	100						Installed	Nestroom rintares (5)
BLDG. 101	CST	101-9E	Contaminant	Isolation	Backsiphonage	West Wall	HBVB			0.75			Properly	Outside Hose Bibb
BLDG. 102	MAIN GATE	102-1E	High - Contaminant	Isolation	Backsiphonage	Restrooms (1)	RRF						Installed Properly	Restroom Fixtures (1)
BLDG. 102	MAIN GATE	102-2E	High - Contaminant	Isolation	Packsinhonago	South Wall	AFHBVB			0.75			Installed	Outside Hose Bibb
BLDG. 102	IVIAIN GATE	102-2E	High -	isolation	Backsiphonage	South Wall	AFREVE			0.75			Properly Installed	Outside nose bibb
BLDG. 105	FUELS	105-1E	Contaminant	Isolation	Backsiphonage	By Water Meter	HBVB			0.75			Properly	Hose Bibb
			High -										Installed	
BLDG. 110	FSS/MEDICAL/DFAC	110-1E	Contaminant High -	Isolation	Backsiphonage	West Wall	HBVB			0.75			Properly Installed	Outside Hose Bibb
BLDG. 110	FSS/MEDICAL/DFAC	110-2E	Contaminant	Isolation	Backsiphonage	North East Corner	HBVB			0.75			Properly	Outside Hose Bibb
DI DC 110	FCC /NAFDICAL /DFAC	110.25	High -	lastatia.	Deeledele been	Countly Food Common	LIDV/D			0.75			Installed	Outside Hear Bibb
BLDG. 110	FSS/MEDICAL/DFAC	110-3E	Contaminant High -	Isolation	Backsiphonage	South East Corner	HBVB	Apollo/		0.75			Properly Installed	Outside Hose Bibb
BLDG. 110	FSS/MEDICAL/DFAC	110-4E	Contaminant	Isolation	Both	Boiler Room	RP	Conbraco	40205A2	1	M8103		Properly	Treated Boiler
			High -			Boiler Room Crawl							Installed	
BLDG. 110	FSS/MEDICAL/DFAC	110-5E	Contaminant High -	Containment	Both	Space	RP	Watts	9	3	5017		Properly Installed	Containment Assembly at Water Meter
BLDG. 110	FSS/MEDICAL/DFAC	110-6E	Contaminant	Isolation	Both	Boiler Room	RP	Watts	009 M2	0.75	32461		Properly	Treated Boiler
			High -			Boiler Room Behind Air							Installed	
BLDG. 110	FSS/MEDICAL/DFAC	110-7E	Contaminant	Isolation	Backsiphonage	Handling Unit	HBVB			0.75			Properly	Hose Bibb
BLDG. 110	FSS/MEDICAL/DFAC	110-8E	High - Contaminant	Isolation	Backsiphonage	On Wall, Next to Doors in Boiler Room	HBVB			0.75			Installed Properly	Hose Bibb on Wall
5250.110	. 33) MEDICALI DI AC	110-0L	High -	.301411011	Sucksipiloliage	Perimeter Wall in	11040			0.75			Installed	1.030 DIDD ON WAII
BLDG. 110	FSS/MEDICAL/DFAC	110-9E	Contaminant	Isolation	Backsiphonage	Kitchen	AVB			0.5			Properly	Garbage Disposal
DLDC 440	ECC/MEDICAL/DEAG	110 105	High -	Isolati	Doolesinh	Under Sink in Kitchen	LIDV'D			0.75		Install Hose Bibb Vacuum	Install	Hot Water Hose Pikk
BLDG. 110	FSS/MEDICAL/DFAC	110-10R	Contaminant High -	Isolation	Backsiphonage	Along Perimeter Wall Under Sink in Kitchen	HBVB			0.75		Breaker (ASSE #1011) Install Hose Bibb Vacuum	Required Install	Hot Water Hose Bibb
BLDG. 110	FSS/MEDICAL/DFAC	110-11R	Contaminant	Isolation	Backsiphonage	Along Perimeter Wall	HBVB			0.75		Breaker (ASSE #1011)	Required	Cold Water Hose Bibb

			i	İ										
Facility Number	Facility Name	Device Number	Hazard Level	Protection Type	Cross- Connection Type	Location	Device Type	Manufacturer	Model	Size	Serial Number	Recommendation	Equipment Status	Comments
			Law									Install Dual Check with	Install	
BLDG. 110	FSS/MEDICAL/DFAC	110-12R	Low - Pollution	Isolation	Both	Kitchen	VDCV			0.75		Intermediate Vent (ASSE #1012)	Install Required	Supply to Steam Oven
DLD 0. 110	1 55/11/2516/12/51/16	110 12.11	High -	isolution	50011	- Nationeri	1501			0.75		111012)	Installed	Supply to Steam Sven
BLDG. 110	FSS/MEDICAL/DFAC	110-13E	Contaminant	Isolation	Backsiphonage	Kitchen	AG			1			Properly	Kettle Fills (3)
	500 /145D1041 /D540	440.445	High -			we I							Installed	
BLDG. 110	FSS/MEDICAL/DFAC	110-14E	Contaminant High -	Isolation	Backsiphonage	Kitchen Three Compartment	AG			1			Properly Installed	Hand Dish Sprayer
BLDG. 110	FSS/MEDICAL/DFAC	110-15E	Contaminant	Isolation	Backsiphonage	Sink in Kitchen	AVB			0.5			Properly	Garbage Disposal
			High -										Installed	
BLDG. 110	FSS/MEDICAL/DFAC	110-16E	Contaminant High -	Isolation	Backsiphonage	Kitchen	AG			1			Properly Installed	Ice Machine Condenser Drain
BLDG. 110	FSS/MEDICAL/DFAC	110-17E	Contaminant	Isolation	Backsiphonage	Restrooms (5)	RRF						Properly	Restroom Fixtures (11)
			High -			Dishwasher Area in							Installed	
BLDG. 110	FSS/MEDICAL/DFAC	110-18E	Contaminant	Isolation	Backsiphonage	Kitchen	AG			1			Properly	Hand Dish Sprayer
BLDG. 110	FSS/MEDICAL/DFAC	110-19E	High - Contaminant	Isolation	Backsiphonage	Dishwasher Area in Kitchen	AVB			0.5			Installed Properly	Garbage Disposal
DLDG. 110	1 33/WEDICAE/DIAC	110 150	High -	isolation	backsiphonage	Dishwasher Area in	AVD			0.5			Installed	Gui buge Disposui
BLDG. 110	FSS/MEDICAL/DFAC	110-20E	Contaminant	Isolation	Backsiphonage	Kitchen	AVB			0.5			Properly	Dishwasher
DI DC 440	ECC/MEDICAL/DEAC	440.225	High -	las lastica.	Da desiale a cons	Dishwasher Area in Kitchen	A) /D			0.375			Installed	Casa Disassas for Dishurahan
BLDG. 110	FSS/MEDICAL/DFAC	110-22E	Contaminant High -	Isolation	Backsiphonage	Kitchen	AVB			0.373			Properly Installed	Soap Dispenser for Dishwasher
BLDG. 110	FSS/MEDICAL/DFAC	110-23E	Contaminant	Isolation	Backsiphonage	Mess Hall	VMBP			0.375			Properly	Coffee Machine
			High -										Installed	
BLDG. 110	FSS/MEDICAL/DFAC	110-24E	Contaminant	Isolation	Backsiphonage	Mess Hall	AG			1		Install Backflow Preventer	Properly	Ice Machine Condenser Drain
BLDG. 110	FSS/MEDICAL/DFAC	110-25R	High - Contaminant	Isolation	Both	Mess Hall	VMBP			0.375		for Beverage Dispensing Equipment (ASSE #1022)	Install Required	Supply to Soda Fountain Carbonator (1 of 2)
BLDG. 110	FSS/MEDICAL/DFAC	110-26R	Low - Pollution	Isolation	Both	Mess Hall	VMBP			0.375		Install Backflow Preventer for Beverage Dispensing Equipment (ASSE #1022)	Install Required	Supply to Bloomfield Coffee Maker - or Provide Documentation of Internal Approved Backflow Prevention
												Install Backflow Preventer		
BLDG. 110	FSS/MEDICAL/DFAC	110-27R	High - Contaminant	Isolation	Both	Mess Hall	VMBP			0.375		for Beverage Dispensing Equipment (ASSE #1022)	Install Required	Supply to Soda Fountain Carbonator (2 of 2)
DEDG. 110	133) WEDICAL/DIAC	110 2711	High -	isolation	Dotti	Wicss Hall	VIVIDI			0.575		Equipment (ASSE #1022)	Install	Slop Sink - Supplies Soap Dispenser Through a
BLDG. 110	FSS/MEDICAL/DFAC	110-28E	Contaminant	Isolation	Both	Janitor's Closet #175	AVB			0.5			Required	Valved Wye Connection
BLDG. 110	FSS/MEDICAL/DFAC	110-29E	High - Contaminant	Isolation	Both	Janitor's Closet #175	AG			1			Install Required	Soap Dispensers (2) (ASSE #1055B) - Supplied From Slop Sink Through a Vavled Wye Connection
			High -									Remove Valved Wye Connection From Hose Threads of Slop Sink and	Install	Slop Sink - Supplies Soap Dispenser Through a Valved Wye Connection - No Valves Allowed bownstream of Vacuum Breaker ASSE 1001 or ASSE 1011 - Tee Will Supply Valved Wye and
BLDG. 110	FSS/MEDICAL/DFAC	110-30R	Contaminant	Isolation	Both	Janitor's Closet	Install					Install Water Wasting Tee	Required	Soap Dispenser
			High -			Men's Locker Room							Installed	
BLDG. 110	FSS/MEDICAL/DFAC	110-31E	Contaminant	Isolation	Backsiphonage	#124	HBVB			0.5			Properly	Hand Held Shower
BLDG. 110	FSS/MEDICAL/DFAC	110-32E	High - Contaminant High -	Isolation	Backsiphonage	Women's Locker Room #122	HBVB			0.5			Installed Properly Install	Hand Held Shower Slop Sink - Supplies Soap Dispenser Through a
BLDG. 110	FSS/MEDICAL/DFAC	110-33E	Contaminant	Isolation	Both	Janitor's Closet #123	AVB			0.5			Required	Valved Wye Connection
BLDG. 110	FSS/MEDICAL/DFAC	110-34E	High - Contaminant	Isolation	Both	Janitor's Closet #123	AG			1			Install Required	Soap Dispenser (ASSE #1055B) - Supplied From Slop Sink Through a Valved Wye Connection
			High -									Remove Valved Wye Connection From Hose Threads of Slop Sink and	Install	Slop Sink - Supplies Soap Dispenser Through a Valved Wye Connection - No Valves Allowed Downstream of Vacuum Breaker ASSE 1001 or ASSE 1011 - Tee Will Supply Valved Wye and
BLDG. 110	FSS/MEDICAL/DFAC	110-35R	Contaminant	Isolation	Both	Janitor's Closet #123	Install					Install Water Wasting Tee	Required	Soap Dispenser
BLDG. 124	TTF	124-1E	High - Contaminant	Isolation	Both	Janitor's Closet #236	AVB			0.5			Install Required	Slop Sink - Supplies Soap Dispenser Through a Valved Wye Connection

Facility Number	Facility Name	Device Number	Hazard Level	Protection Type	Cross- Connection Type	Location	Device Type	Manufacturer	Model	Size	Serial Number	Recommendation	Equipment Status	Comments
BLDG. 124	TTF	124-2E	High - Contaminant	Isolation	Backsiphonage	Janitor's Closet #236	AG			1			Install Required	Soap Dispenser (ASSE #1055B) - Supplied From Slop Sink Through a Vavled Wye Connection
BLDG. 124	TTF	124-3R	High - Contaminant	Isolation	Both	Janitor's Closet #236	Install					Remove Valved Wye Connection From Hose Threads of Slop Sink and Install Water Wasting Tee	Install Required	Slop Sink - Supplies Soap Dispenser Through a Valved Wye Connection - No Valves Allowed Downstream of Vacuum Breaker ASSE 1001 or ASSE 1011 - Tee Will Supply Valved Wye and Soap Dispenser
BLDG. 124	TTF	124-4E	High - Contaminant	Isolation	Backsiphonage	South East Wall	HBVB			0.75			Installed Properly	Hose Bibb
			High -										Installed	
BLDG. 124	TTF	124-5E	Contaminant High -	Isolation	Backsiphonage	South Wall	HBVB			0.75			Properly Installed	Hose Bibb
BLDG. 124	TTF	124-6E	Contaminant High -	Isolation	Backsiphonage	North Wall	HBVB			0.75			Properly Installed	Hose Bibb
BLDG. 124	TTF	124-7E	Contaminant	Containment	Both	Weapon Room	RP	Watts	9	3	5022		Properly	Containment Assembly at Water Meter
BLDG. 124	TTF	124-8E	High - Contaminant	Isolation	Backsiphonage	Weapon Room	AVB			0.5			Installed Properly	Mop Bucket Fill
			High -										Installed	
BLDG. 124	TTF	124-9E	Contaminant High -	Isolation	Backsiphonage	Break Room	AVB			0.5			Properly Installed	Slop Sink
BLDG. 124	TTF	124-10E	Contaminant	Isolation	Backsiphonage	Break Room	AVB			0.5		2711	Properly	Mop Bucket Fill
BLDG. 124	TTF	124-11R	High - Contaminant	Isolation	Backsiphonage	Men's Locker Room #130	HBVB			0.75		Install Hose Bibb Vacuum Breaker (ASSE #1011)	Install Required	Hose Bibb in Shower
BLDG. 124	TTF	124-12E	High - Contaminant	Isolation	Backsiphonage	Restrooms (7)	RRF						Installed Properly	Restroom Fixtures (18)
BLDG. 124	TTF	124-13E	High - Contaminant	Isolation	Both	Boiler Room #103	RP	Watts	909-QT	1	582742		Installed Properly	Treated Boiler
			Low -				1						Installed	
BLDG. 124	TTF	124-14E	Pollution	Containment	Both	Pump Room #102	DCV	Watts	757	6	IH5967		Properly	Fire Protection System
BLDG. 125	CIVIL AIR PATROL	125-1E	High - Contaminant	Isolation	Both	Boiler Room #109A	RP	Hersey/ Beeco	FRP II	0.75	942175		Installed Properly	Treated Boiler
BLDG. 125	CIVIL AIR PATROL	125-2E	High - Contaminant	Isolation	Backsiphonage	Boiler Room #109A	HBVB			0.75			Installed Properly	Hose Bibb at Wall
			High -									Install Reduced Pressure Backflow Prevention	Install	
BLDG. 125	CIVIL AIR PATROL	125-3R	Contaminant	Isolation	Both	Boiler Room #109A	RP			0.75		Assembly (ASSE #1013)	Required	Supply to Compressed Air Piping
BLDG. 125	CIVIL AIR PATROL	125-4E	High - Contaminant	Isolation	Backsiphonage	Boiler Room #109A	HBVB			0.75			Installed Properly	Hose Bibb Next to Compressor
	00.00 AIR RATRO	405.55	High -			D 11 D #4004	110.40			0.75			Installed	
BLDG. 125	CIVIL AIR PATROL	125-5E	Contaminant High -	Isolation	Backsiphonage	Boiler Room #109A	HBVB			0.75			Properly Installed	Hose Bibb Next to Compressor
BLDG. 125	CIVIL AIR PATROL	125-6E	Contaminant High -	Containment	Both	Pump Room #101	RP	Watts	009	3	5945		Properly	Containment Assembly at Water Meter Fire Protection System - System Contains
BLDG. 125	CIVIL AIR PATROL	125-7E	Contaminant	Containment	Both	Pump Room #101	DCV	Febco	805YD	6	9411041601		Repair/Replace	Foam - Inappropriate Backflow Preventer
			High -									Replace Existing Inappropriate DCV (#1015) with RP (ASSE #1013) Due to Foam Fire Protection		Fire Protection System - or Disconnect Chemical Foam Tanks (Tanks are Empty and
BLDG. 125	CIVIL AIR PATROL	125-8R	Contaminant	Containment	Both	Pump Room #101	RP	- N/A -	- N/A -	6		System	Repair/Replace	Not in Use)
BLDG. 125	CIVIL AIR PATROL	125-9E	High - Contaminant	Isolation	Backsiphonage	Hanger Next to Eyewash	HBVB			0.75			Installed Properly	Hose Bibb
BLDG. 125	CIVIL AIR PATROL	125-10E	High - Contaminant	Isolation	Backsiphonage	Hanger Next to Tool Room #102	HBVB			0.75			Installed Properly	Hose Bibb
BLDG. 125	CIVIL AIR PATROL	125-10E	High - Contaminant	Isolation	Backsiphonage	Tool Room #102	AFHBVB			0.75			Installed Properly	Hose Bibb
BLDG. 125	CIVIL AIR PATROL	125-11E	High - Contaminant	Isolation	Backsiphonage	Tool Room #102	AVB			0.73			Installed Properly	Slop Sink
DLDG. 123	CIVIL AIN FAIROL	123-126	High -	isolation	Dacksipiloliage	Next to Read Room	AVD			0.5			Installed	SIOP SILIK
BLDG. 125	CIVIL AIR PATROL	125-13E	Contaminant	Isolation	Backsiphonage	#105A	HBVB			0.75			Properly	Hose Bibb on Wall

			i	i	i			i						
Facility	Facility	Device		Protection	Cross- Connection		Device				Serial		Equipment	
Number	Name	Number	Hazard Level High -	Туре	Туре	Location	Туре	Manufacturer	Model	Size	Number	Recommendation	Status Installed	Comments
BLDG. 125	CIVIL AIR PATROL	125-14E	Contaminant	Isolation	Backsiphonage	Tank Repair Room	AVB			0.5			Properly	Slop Sink
			High -										Installed	
BLDG. 125	CIVIL AIR PATROL	125-15E	Contaminant High -	Isolation	Backsiphonage	Tank Repair Room Hangar Outside of Tank	AFHBVB			0.75			Properly Installed	Hose Bibb
BLDG. 125	CIVIL AIR PATROL	125-16E	Contaminant	Isolation	Backsiphonage	Repair Room	AFHBVB			0.75			Properly	Hose Bibb on Wall
DI D.C. 425	00 // AIR RATRO	405 475	High -				45110110			0.75			Installed	511
BLDG. 125	CIVIL AIR PATROL	125-17E	Contaminant High -	Isolation	Backsiphonage	Hangar at Door #100B Men's Locker Room	AFHBVB			0.75			Properly Installed	Hose Bibb on Wall
BLDG. 125	CIVIL AIR PATROL	125-18E	Contaminant	Isolation	Backsiphonage	#104C	AG			1			Properly	Hand Held Shower
DI DC 425	CD //I AID DATEO	425 405	High -	lastatias	Darderink a see	In although Classet #404D	4.6						Installed	Davis Brisana
BLDG. 125	CIVIL AIR PATROL	125-19E	Contaminant High -	Isolation	Backsiphonage	Janitor's Closet #104B	AG			1			Properly Install	Drain Primer Slop Sink - Supplies Soap Dispenser Through a
BLDG. 125	CIVIL AIR PATROL	125-20E	Contaminant	Isolation	Both	Janitor's Closet #104B	AVB			0.5			Required	Valved Wye Connection
DI DG 135	CIVIL AIR PATROL	125-21E	High -	Isolation	Poth	lanitor's Claset #1045	46			1			Install	Soap Dispenser (ASSE #1055B) - Supplied From
BLDG. 125	CIVIL AIR PATRUL	125-21E	Contaminant	Isolation	Both	Janitor's Closet #104B	AG			1			Required	Slop Sink Through a Vavled Wye Connection Slop Sink - Supplies Soap Dispenser Through a
												Remove Valved Wye		Valved Wye Connection - No Valves Allowed
			High -									Connection From Hose Threads of Slop Sink and	Install	Downstream of Vacuum Breaker ASSE 1001 or ASSE 1011 - Tee Will Supply Valved Wye and
BLDG. 125	CIVIL AIR PATROL	125-22R	Contaminant	Isolation	Both	Janitor's Closet #104B	Install					Install Water Wasting Tee	Required	Soap Dispenser
DI D.C. 433	BV.	400.45	High -							0.5			Install	Slop Sink - Supplies Soap Dispenser Through a
BLDG. 132	BX	132-1E	Contaminant High -	Isolation	Both	Restroom #108	AVB			0.5			Required Install	Valved Wye Connection Soap Dispenser (ASSE #1055B) - Supplied From
BLDG. 132	BX	132-2E	Contaminant	Isolation	Backsiphonage	Restroom #108	AG			1			Required	Slop Sink Through a Vavled Wye Connection
BLDG. 132	вх	132-3R	High - Contaminant	Isolation	Both	Restroom #108	Install					Remove Valved Wye Connection From Hose Threads of Slop Sink and Install Water Wasting Tee	Install Required	Slop Sink - Supplies Soap Dispenser Through a Valved Wye Connection - No Valves Allowed Downstream of Vacuum Breaker ASSE 1001 or ASSE 1011 - Tee Will Supply Valved Wye and Soap Dispenser
			High -										Installed	
BLDG. 132	BX	132-4E	Contaminant	Containment	Both	Mechanical Room #109	RP	Watts	9	1	12704		Properly	Containment Assembly at Water Meter Containment Assembly at Water Meter
			High -										Installed	(device is installed downstream of RP and is
BLDG. 132	BX	132-5E	Contaminant	Containment	Both	Mechanical Room #109	RP	Watts	9	0.75	64888		Properly	not necessary)
BLDG. 132	BX	132-6E	High - Contaminant	Isolation	Backsiphonage	Restrooms (2)	RRF						Installed Properly	Restroom Fixtures (2)
BLDG. 132	вх	132-7R	High - Contaminant	Isolation	Both	Retail Store Restroom	Install					Remove Valved Wye Connection From Hose Threads of Slop Sink and Install Water Wasting Tee	Install Required	Slop Sink - Supplies Soap Dispenser Through a Valved Wye Connection - No Valves Allowed Downstream of Vacuum Breaker ASSE 1001 or ASSE 1011 - Tee Will Supply Valved Wye and Soap Dispenser
BLDG. 132	BX	132-8E	High - Contaminant	Isolation	Both	Retail Store Restroom	AVB			0.5			Install Required	Slop Sink - Supplies Soap Dispenser Through a Valved Wye Connection
BLDG. 132	вх	132-9E	High - Contaminant	Isolation	Backsiphonage	Retail Store Restroom	AG			1			Install Required	Soap Dispenser (ASSE #1055B) - Supplied From Slop Sink Through a Vavled Wye Connection
DI DC 460	A DA AV	160.45	High -	Conto:	Doth	Dumn Book	DD.	Matte	000 143	2	275770		Installed	Containment Assembly West-
BLDG. 160	ARMY	160-1E	Contaminant High -	Containment	Both	Pump Room	RP	Watts	009 M2	2	275778		Properly Installed	Containment Assembly at Water Meter
BLDG. 160	ARMY	160-2E	Contaminant	Containment	Both	Pump Room	RP	Watts	009 M2	2	275782		Properly	Containment Assembly at Water Meter
BLDG. 160	ARMY	160-3E	Low - Pollution	Containment	Both	Pump Room	DCV	Ames	2000 SS	6	1652190110		Installed Properly	Fire Protection System
DLDG. 100	OWALL	100-25	High -	Containment	DOLLI	r unip Nooni	DCV	Ailles	2000 33	0	1032130110		Installed	THE FTOLECTION SYSTEM
BLDG. 160	ARMY	160-E4	Contaminant	Isolation	Backsiphonage	Mechanical Room #123	HBVB			0.75			Properly	Hose Bibb
BLDG. 160	ARMY	160-5E	High - Contaminant	Isolation	Both	Boiler Room #104	RP	Watts	909 MOD	0.75	333864		Installed Properly	Treated Boiler
BLDG. 160	ARMY	160-6E	High - Contaminant	Isolation	Backsiphonage	Room #112	AFHBVB			0.75			Installed Properly	Hose Bibb
	CHALL	100-01	High -	isolation	Ducksipiloliage	100111 #112	ALLIDAD						Install	Slop Sink - Supplies Soap Dispenser Through a
BLDG. 160	ARMY	160-7E	Contaminant	Isolation	Both	Janitor's Closet #128	AVB			0.5			Required	Valved Wye Connection

Facility Number	Facility Name	Device Number	Hazard Level	Protection Type	Cross- Connection Type	Location	Device Type	Manufacturer	Model	Size	Serial Number	Recommendation	Equipment Status	Comments
			High -		,,,,								Install	Soap Dispenser (ASSE #1055B) - Supplied From
BLDG. 160	ARMY	160-8E	Contaminant High -	Isolation	Backsiphonage	Janitor's Closet #128	AG			1		Remove Valved Wye Connection From Hose Threads of Slop Sink and	Required	Slop Sink Through a Vavled Wye Connection Slop Sink - Supplies Soap Dispenser Through a Valved Wye Connection - No Valves Allowed Downstream of Vacuum Breaker ASSE 1001 or ASSE 1011 - Tee Will Supply Valved Wye and
BLDG. 160	ARMY	160-9R	Contaminant	Isolation	Both	Janitor's Closet #128	Install					Install Water Wasting Tee	Required	Soap Dispenser
BLDG. 160	ARMY	160-10E	High - Contaminant	Isolation	Backsiphonage	Janitor's Closet #134	AVB			0.5			Installed Properly	Slop Sink
			High -										Installed	- Sep Silvin
BLDG. 160	ARMY	160-11E	Contaminant	Isolation	Backsiphonage	Restrooms (5)	RRF						Properly	Restroom Fixtures (13)
BLDG. 160	ARMY	160-12E	High - Contaminant	Isolation	Backsiphonage	East Wall	HBVB			0.75			Installed Properly	Outside Hose Bibb
BLDG. 160	ARMY	160-13E	High - Contaminant	Isolation	Backsiphonage	South Wall	HBVB			0.75			Installed Properly	Outside Hose Bibb
DLDG. 100	Antivit	100 152	High -	isolution	backsipiloliage	Journ Wall	HIDVD			0.75			Installed	Outside Hose Bibb
BLDG. 160	ARMY	160-14E	Contaminant	Isolation	Backsiphonage	South Wall	HBVB			0.75			Properly	Outside Hose Bibb
BLDG. 160	ARMY	160-15R	High - Contaminant	Isolation	Backsiphonage	East Wall	AFHBVB			0.75		Install Anti-Frost Hose Bibb Vacuum Breaker (ASSE #1011, Watts NF8 or Equal)	Install Required	Outside Hose Bibb
			High -										Installed	
BLDG. 160	ARMY	160-16E	Contaminant High -	Isolation	Backsiphonage	Mechanical Room #107	AG			1			Properly Install	Liebert Humidifier Drain Slop Sink - Supplies Soap Dispenser Through a
BLDG. 180	DTOC	180-1E	Contaminant	Isolation	Both	Janitor's Room #164	AVB			0.5			Required	Valved Wye Connection
BLDG. 180	DTOC	180-2E	High - Contaminant	Isolation	Backsiphonage	Janitor's Room #164	AG			1			Install Required	Soap Dispenser (ASSE #1055B) - Supplied From Slop Sink Through a Vavled Wye Connection
			High -									Remove Valved Wye Connection From Hose Threads of Slop Sink and	Install	Slop Sink - Supplies Soap Dispenser Through a Valved Wye Connection - No Valves Allowed Downstream of Vacuum Breaker ASSE 1001 or ASSE 1011 - Tee Will Supply Valved Wye and
BLDG. 180	DTOC	180-3R	Contaminant	Isolation	Both	Janitor's Room #164	Install					Install Water Wasting Tee	Required	Soap Dispenser
BLDG. 180	DTOC	180-4E	High -	Isolation	Both	Janitor's Closet Across From Vending/Break	AVB			0.5			Install	Slop Sink - Supplies Soap Dispenser Through a
			Contaminant High -	Isolation		Room Janitor's Closet Across From Vending/Break							Required	Valved Wye Connection Soap Dispenser (ASSE #1055B) - Supplied From
BLDG. 180	DTOC	180-5E	Contaminant High -	Isolation	Backsiphonage	Janitor's Closet Across From Vending/Break	AG			1		Remove Valved Wye Connection From Hose Threads of Slop Sink and	Required	Slop Sink Through a Vavled Wye Connection Slop Sink - Supplies Soap Dispenser Through a Valved Wye Connection - No Valves Allowed Downstream of Vacuum Breaker ASSE 1001 or ASSE 1011 - Tee Will Supply Valved Wye and
BLDG. 180	DTOC	180-6R	Contaminant High -	Isolation	Both	Room	Install					Install Water Wasting Tee	Required	Soap Dispenser
BLDG. 180	DTOC	180-7E	Contaminant	Isolation	Backsiphonage	Restrooms (4)	RRF						Properly	Restroom Fixtures (13)
BLDG. 180	DTOC	180-8E	High - Contaminant	Containment	Both	Mechanical Room #108	RP	Watts	009 M2	2	281920		Installed Properly	Containment Assembly at Water Meter
BLDG. 180	DTOC	180-9E	High - Contaminant	Containment	Both	Mechanical Room #108	RP	Watts	009 M2	2	281928		Installed Properly	Containment Assembly at Water Meter
BLDG. 180	DTOC	180-10E	High - Contaminant	Isolation	Backsiphonage	Mechanical Room #108	HBVB			0.75			Installed Properly	Hot Hose Bibb at Water Meter
BLDG. 180	DTOC	180-11E	High - Contaminant	Isolation	Backsiphonage	Mechanical Room #108	HBVB			0.75			Installed Properly	Cold Water Hose Bibb at Water Meter
BLDG. 180	DTOC	180-12E	High - Contaminant	Isolation	Backsiphonage	North Wall	HBVB			0.75			Installed Properly	Outside Hose Bibb
BLDG. 180	DTOC	180-13E	High - Contaminant	Isolation	Backsiphonage	South Wall	HBVB			0.75			Installed Properly	Outside Hose Bibb
BLDG. 180	DTOC	180-14E	High - Contaminant	Isolation	Backsiphonage	West Wall	HBVB			0.75			Installed Properly	Outside Hose Bibb
DI DC 400	DTOC	100 155	Low -	ll-ti	D-4h	D-il D #100				0.5	24.002.4		Installed	Historia de Beiller
BLDG. 180	DTOC	180-15E	Pollution	Isolation	Both	Boiler Room #109	RP	Watts	9	0.5	310834		Properly	Untreated Boiler

Facility	Facility	Device Number	Hazard Level	Protection	Cross- Connection	Lacation	Device	Manufacturer	Model	Size	Serial Number	Decommon debina	Equipment	Commando
Number	Name	Number	High -	Туре	Туре	Location	Туре	ivianuiacturer	Model	Size	Number	Recommendation	Status Installed	Comments
BLDG. 180	DTOC	180-16E	Contaminant	Isolation	Backsiphonage	Boiler Room #109	HBVB			0.75			Properly	Hot Water Hose Bibb
			High -										Installed	
BLDG. 180	DTOC	180-17E	Contaminant	Isolation	Backsiphonage	Boiler Room #109	HBVB	A = = II = /		0.75			Properly	Cold Water Hose Bibb
BLDG. 180	DTOC	180-18E	High - Contaminant	Isolation	Both	Mechanical Room #114	RP	Apollo/ Conbraco	40204A2	0.75	L5126		Installed Properly	Chilled Water Make-Up
BLDG. 180	DTOC	180-19R	Low - Pollution	Isolation	Both	Mechanical Room #114	Label					Label Piping Downstream of RP as "Non-Potable Water"	Other	Piping Downstream of Existing RP is Mislabeled as Domestic Cold Water" in Multiple Places
DLDG. 180	БТОС	100-131	High -	isolation	Botti	Wiechanical Room #114	Label					IV as Ivon-rotable water	Installed	Widitiple Flaces
BLDG. 180	DTOC	180-20E	Contaminant	Isolation	Backsiphonage	Mechanical Room #114	HBVB			0.75			Properly	Hose Bibb
L			High -										Installed	
BLDG. 180	DTOC	180-21E	Contaminant Low -	Isolation	Backsiphonage	Mechanical Room #114	HBVB			0.75			Properly Installed	Hose Bibb
BLDG. 180	DTOC	180-22E	Pollution	Containment	Both	Pump Room #125	RP	Ames	4000 SS	4	4CJ0017		Properly	Fire Protection System
			High -					Apollo/					Installed	,,,,,
BLDG. 180	DTOC	180-23E	Contaminant	Isolation	Both	Pump Room #125	RP	Conbraco	40205T2	1	01401T		Properly	Chemical Tank Make-Up
BLDG. 231	CHAPEL	231-1E	High - Contaminant	Isolation	Both	Janitor's Closet #115	AVB			0.5			Install Required	Slop Sink - Supplies Soap Dispenser Through a Valved Wye Connection
BLDG. 231	CHAPEL	231-16	High -	isolation	BOUT	Janitor's Closet #113	AVD			0.5			Install	Soap Dispenser (ASSE #1055B) - Supplied From
BLDG. 231	CHAPEL	231-2E	Contaminant	Isolation	Both	Janitor's Closet #115	AG			1			Required	Slop Sink Through a Vavled Wye Connection
BLDG. 231	CHAPEL	231-3R	High - Contaminant	Isolation	Both	Janitor's Closet #115	Install					Remove Valved Wye Connection From Hose Threads of Slop Sink and Install Water Wasting Tee	Install Required	Slop Sink - Supplies Soap Dispenser Through a Valved Wye Connection - No Valves Allowed Downstream of Vacuum Breaker ASSE 1001 or ASSE 1011 - Tee Will Supply Valved Wye and Soap Dispenser
			High -										Installed	
BLDG. 231	CHAPEL	231-4E	Contaminant	Isolation	Backsiphonage	Restrooms (2)	RRF						Properly	Restroom Fixtures (5)
BLDG. 240	СОММ	240-1E	Low - Pollution	Containment	Both	Outside Pump House	DCV	Ames	colt-200	6	LG0862		Installed Properly	Fire Protection System
DED 01 2 10		2.00 22	Low -	Correamment	Botti	outside Famp House	501	741165	COR 200		200002		Installed	Fire Protection System (Redundant, Not
BLDG. 240	COMM	240-2E	Pollution	Containment	Both	Boiler Room	DCV	Watts	757	6			Properly	Needed)
BLDG. 240	сомм	240-3E	High - Contaminant	Containment	Both	Boiler Room	RP	Watts	9	2.5	32701		Installed Properly	Containment Assembly at Water Meter
BLDG. 240	COMIN	240-3E	High -	Containment	BOUT	Bollet Rootil	Nr.	vvatts	3	2.3	32701		Installed	Containment Assembly at Water Meter
BLDG. 240	COMM	240-4E	Contaminant	Isolation	Both	Boiler Room	RP	Apollo	RP40	0.75	225170		Properly	Treated Boiler
L			High -										Installed	
BLDG. 240	COMM	240-5E	Contaminant High -	Isolation	Backsiphonage	Boiler Room 1st floor Janitor's	AG			1.5			Properly Install	Humidifier Drain Slop Sink - Supplies Soap Dispenser Through a
BLDG. 240	СОММ	240-6E	Contaminant	Isolation	Both	Closet	AVB			0.5			Required	Valved Wye Connection
			High -			1st floor Janitor's							Install	Soap Dispenser (ASSE #1055B) - Supplied From
BLDG. 240	СОММ	240-7E	Contaminant	Isolation	Both	Closet	AG			1			Required	Slop Sink Through a Valved Wye Connection
BLDG. 240	сомм	s	High - Contaminant	Isolation	Both	1st floor Janitor's Closet	Install					Remove Valved Wye Connection From Hose Threads of Slop Sink and Install Water Wasting Tee	Install Required	Slop Sink - Supplies Soap Dispenser Through a Valved Wye Connection - No Valves Allowed Downstream of Vacuum Breaker ASSE 1001 or ASSE 1011 - Tee Will Supply Valved Wye and Soap Dispenser
BLDG. 240	COMM	240-9E	High - Contaminant	Isolation	Backsiphonage	Men's Locker Room	AG			1			Installed Properly	Hand Held Showers (2)
DLDG. 240	COIVIIVI	240°7E	High -	isolation	packsibiloliage	IVICII 3 LOCKEI NOUIII	AU			1			Installed	nana field showers (2)
BLDG. 240	COMM	240-10E	Contaminant	Isolation	Backsiphonage	Women's Locker Room	AG			1			Properly	Hand Held Shower (1)
BLDG. 240	СОММ	240-11E	High - Contaminant	Isolation	Both	2nd floor Janitor's Closet	AVB			0.5			Install Required	Slop Sink - Supplies Soap Dispenser Through a Valved Wye Connection
BLDG. 240	СОММ	240-12E	High - Contaminant	Isolation	Both	2nd floor Janitor's Closet	AG			1			Install Required	Soap Dispenser (ASSE #1055B) - Supplied From Slop Sink Through a Vavled Wye Connection
BLDG. 240	СОММ	240-13R	High - Contaminant	Isolation	Both	2nd floor Janitor's Closet	Install					Remove Valved Wye Connection From Hose Threads of Slop Sink and Install Water Wasting Tee	Install Required	Slop Sink - Supplies Soap Dispenser Through a Valved Wye Connection - No Valves Allowed Downstream of Vacuum Breaker ASSE 1001 or ASSE 1011 - Tee Will Supply Valved Wye and Soap Dispenser

Facility Number	Facility Name	Device Number	Hazard Level	Protection Type	Cross- Connection Type	Location	Device Type	Manufacturer	Model	Size	Serial Number	Recommendation	Equipment Status	Comments
DI DC 240	CO1414	240 445	High -	la alastia a	Darderick and a	Bt(2)	DDE						Installed	Backer on Sickers (6)
BLDG. 240	COMM	240-14E	Contaminant High -	Isolation	Backsiphonage	Restrooms (3)	RRF						Properly Installed	Restroom Fixtures (6)
BLDG. 240	СОММ	240-15E	Contaminant	Isolation	Backsiphonage	North Wall	AFHBVB			0.75			Properly	Outside Hose Bibbs
			High -										Installed	
BLDG. 240	COMM	240-16E	Contaminant	Isolation	Backsiphonage	South Wall	AFHBVB			0.75			Properly	Outside Hose Bibbs
BLDG. 300	SECURITY	300-1E	High - Contaminant	Containment	Both	Pump Room	RP	Watts	009 M2 QT	2	135516		Installed Properly	Containment Assembly at Water Meter
			Low -			·							Installed	
BLDG. 300	SECURITY	300-2E	Pollution	Containment	Both	Pump Room	DCV	Ames	COLT200	6	LB0930		Properly	Fire Protection System
BLDG. 300	SECURITY	300-3E	High - Contaminant	Isolation	Backsiphonage	West Wall	HBVB			0.75			Installed Properly	Outside Hose Bibb
			High -										Installed	
BLDG. 300	SECURITY	300-4E	Contaminant	Isolation	Backsiphonage	East Wall	HBVB			0.75			Properly	Outside Hose Bibb
BLDG. 300	SECURITY	300-5E	High - Contaminant	Isolation	Packsiphonago	East Wall	HBVB			0.75			Installed	Outside Hose Bibb
BLDG. 300	SECORITI	300-3E	High -	isolation	Backsiphonage	East Wall	почь			0.73			Properly Install	Slop Sink - Supplies Soap Dispenser Through a
BLDG. 300	SECURITY	300-6E	Contaminant	Isolation	Both	Janitor's Closet #151	AVB			0.5			Required	Valved Wye Connection
DI DC 200	CECLIDITY	200 75	High -	In-latin.	Darkeish a saas	1	4.6						Install	Soap Dispenser (ASSE #1055B) - Supplied From
BLDG. 300	SECURITY	300-7E	Contaminant	Isolation	Backsiphonage	Janitor's Closet #151	AG			1			Required	Slop Sink Through a Vavled Wye Connection Slop Sink - Supplies Soap Dispenser Through a
BLDG. 300	SECURITY	300-8R	High - Contaminant	Isolation	Both	Janitor's Closet #151	Install					Remove Valved Wye Connection From Hose Threads of Slop Sink and Install Water Wasting Tee	Install Required	Valved Wye Connection - No Valves Allowed Downstream of Vacuum Breaker ASSE 1001 or ASSE 1011 - Tee Will Supply Valved Wye and Soap Dispenser
L			High -										Installed	
BLDG. 300	SECURITY	300-9E	Contaminant High -	Isolation	Backsiphonage	Janitor's Closet #151 Men's Locker Room	DuC			1			Properly Installed	Hand Held Eyewash
BLDG. 300	SECURITY	300-10E	Contaminant	Isolation	Backsiphonage	#129	HHS			0.5			Properly	Hand Held Showers (3)
			High -			Women's Locker Room							Installed	
BLDG. 300	SECURITY	300-11E	Contaminant	Isolation	Backsiphonage	#134	HHS			0.5			Properly	Hand Held Shower (2)
BLDG. 300	SECURITY	300-12E	Low - Pollution	Isolation	Backsiphonage	Hallway Across From Classroom #113	AG			1			Installed Properly	Coffee Pot
			High -			Men's Restroom							Install	Slop Sink - Supplies Soap Dispenser Through a
BLDG. 300	SECURITY	300-13E	Contaminant	Isolation	Both	Janitor's Closet #133	AVB			0.5			Required	Valved Wye Connection
BLDG. 300	SECURITY	300-14E	High - Contaminant	Isolation	Backsiphonage	Men's Restroom Janitor's Closet #133	AG			1			Install Required	Soap Dispenser (ASSE #1055B) - Supplied From Slop Sink Through a Vavled Wye Connection
BLDG. 300	SECURITY	300-15R	High - Contaminant	Isolation	Both	Men's Restroom Janitor's Closet #133	Install					Remove Valved Wye Connection From Hose Threads of Slop Sink and Install Water Wasting Tee	Install Required	Slop Sink - Supplies Soap Dispenser Through a Valved Wye Connection - No Valves Allowed Downstream of Vacuum Breaker ASSE 1001 or ASSE 1011 - Tee Will Supply Valved Wye and Soap Dispenser
			High -			Men's Restroom						Į .	Installed	·
BLDG. 300	SECURITY	300-16E	Contaminant	Isolation	Backsiphonage	Janitor's Closet #133	DuC			1			Properly	Hand Held Eyewash
BLDG. 300	SECURITY	300-17E	High - Contaminant	Isolation	Backsiphonage	Restrooms (6)	RRF						Installed Properly	Restroom Fixtures (11)
BLDG. 314	ALERT HANGER	314-1R	High - Contaminant	Isolation	Backsiphonage	Next to Eyewash	HBVB			0.75		Install Hose Bibb Vacuum Breaker (ASSE #1011)	Install Required	Each Side of Valved Wye Splitter on Hose Bibb - or Permanently Remove Valved Wye Splitter and Install Hose Bibb Vacuum Breaker (ASSE #1011) on Hose Bibb
DI DG 315	ALEDT HANCAR	215 15	High -	Containment	Poth	Machanical Bases	DD.	Watte	000	,	77000		Installed	Containment Assembly at Water Mater
BLDG. 315 BLDG. 315	ALERT HANGAR ALERT HANGAR	315-1E 315-2R	Contaminant High - Contaminant	Containment	Both Backsiphonage	Mechanical Room Mechanical Room	RP HBVB	Watts	009	0.75	77990	Install Hose Bibb Vacuum Breaker (ASSE #1011)	Properly Install Required	Containment Assembly at Water Meter Hose Bibb at Water Meter
			High -										Install	Slop Sink - Supplies Soap Dispenser Through a
BLDG. 315	ALERT HANGAR	315-3E	Contaminant	Isolation	Both	Janitor's Closet #105	AVB			0.5			Required	Valved Wye Connection
BLDG. 315	ALERT HANGAR	315-4E	High - Contaminant	Isolation	Both	Janitor's Closet #105	AG			1			Install Required	Soap Dispenser (ASSE #1055B) - Supplied From Slop Sink Through a Vavled Wye Connection

Facility Number	Facility Name	Device Number	Hazard Level	Protection Type	Cross- Connection Type	Location	Device Type	Manufacturer	Model	Size	Serial Number	Recommendation	Equipment Status	Comments
			High -									Remove Valved WYE Connection From Hose Threads of Slop Sink and	Install	Slop Sink - Supplies Soap Dispenser Through a Valved Wye Connection - No Valves Allowed Downstream of Vacuum Breaker ASSE 1001 or ASSE 1011 - Tee Will Supply Valved Wye and
BLDG. 315	ALERT HANGAR	315-5R	Contaminant	Isolation	Both	Janitor's Closet #105	Install					Install Water Wasting Tee	Required	Soap Dispenser
BLDG. 315	ALERT HANGAR	315-6E	High - Contaminant	Isolation	Backsiphonage	Outside of Room #109	HBVB			0.75			Installed Properly	Hose Bibb in Hangar Outside Room
BLDG. 315	ALERT HANGAR	316-7R	High - Contaminant	Isolation	Backsiphonage	Hangar Outside of Room 109	AVB			0.5		Install Atmospheric Vacuum Breaker (ASSE #1001)	Install Required	Supply to Drain Flush - NOTE: Critical Level of Atmospheric Vacuum Breaker Must be Installed at Least 6" Above all Downstream Piping with NO Valves Downstream.
DI DC 245	ALERTHANICAR	245.05	High -	Indiana.	Barderiah auran	D #100	LIDV(D			0.75			Installed	
BLDG. 315	ALERT HANGAR	315-8E	Contaminant High -	Isolation	Backsiphonage	Room #109 South West Hangar	HBVB			0.75			Properly Installed	Hose Bibb
BLDG. 315	ALERT HANGAR	315-9E	Contaminant	Isolation	Backsiphonage	Wall	HBVB			0.75			Properly	Hose Bibb
BLDG. 315	ALERT HANGAR	315-10E	High - Contaminant	Isolation	Backsiphonage	South West Wall in Hangar	PFD			0.375			Installed Properly	PFD in Supply to Drain Purge
BLDG. 315	ALERT HANGAR	315-11E	High - Contaminant	Isolation	Backsiphonage	North Wall of Hangar	AVB			2			Repair/Replace	Fire Hose Connection - Inappropriate Backflow Preventer
BLDG. 315	ALERT HANGAR	315-12E	High - Contaminant	Isolation	Backsiphonage	South Wall of Hangar	AVB			2			Repair/Replace	Fire Hose Connection - Inappropriate Backflow Preventer
BLDG. 315	ALERT HANGAR	315-13R	High - Contaminant	Isolation	Backsiphonage	North Wall of Hangar	RP			2		Install Reduced Pressure Backflow Prevention Assembly (ASSE #1013)	Install Required	Supply to Fire Hose Connection - Replaces Inappropriate Existing Atmospheric Vacuum Breaker
		245 445	High -									Install Reduced Pressure Backflow Prevention	Install	Supply to Fire Hose Connection - Replaces Inappropriate Existing Atmospheric Vacuum
BLDG. 315 BLDG. 315	ALERT HANGAR ALERT HANGAR	315-14R 315-15E	Contaminant High - Contaminant	Isolation	Backsiphonage Backsiphonage	South Wall of Hangar Restrooms (2)	RP			2		Assembly (ASSE #1013)	Required Installed Properly	Restroom Fixtures (3)
BLDG. 316	HEATING PLANT &	316-1E	High - Contaminant	Containment	Both	By Water Meter in Boiler Room	RP	Watts	9	2	72560		Installed Properly	Containment Assembly
			High -					watts	3		72300		Installed	
BLDG. 316	HEATING PLANT &	316-2E	Contaminant High -	Isolation	Backsiphonage	Boiler Room	AVB	Apollo/		0.5			Properly Installed	Slop Sink
BLDG. 316	HEATING PLANT &	316-3E	Contaminant	Isolation	Both	Boiler Room	RP	Conbraco	40204A2	0.75	L5118		Properly	Treated Boiler
BLDG. 316	HEATING PLANT &	316-4R	High - Contaminant	Isolation	Backsiphonage	North East Corner of Boiler Room	HBVB			0.75		Install Hose Bibb Vacuum Breaker (ASSE #1011)	Install Required	Hose Bibb at North East Corner of Boiler Room
BLDG. 316	HEATING PLANT &	316-5E	High - Contaminant	Isolation	Backsiphonage	North East Corner of Boiler Building #316	AFHBVB			0.75			Installed Properly	Outside Hose Bibb
BLDG. 316	HEATING PLANT &	316-6E	High - Contaminant	Isolation	Backsiphonage	North East Walls of Bldg. #316B	HBIVB			0.75			Installed Properly	Outside Hose Bibb (with AFHBVB)
BLDG. 316	HEATING PLANT &	316-7E	High - Contaminant	Isolation	Backsiphonage	South West Walls of Bldg. #316B	HBIVB			0.75			Installed Properly	Outside Hose Bibb (with AFHBVB)
	LIEATING DI ANT O	246.05	High -	Indiana.		North East Wall of Bldg.	LIDIV (D			0.75			Installed	
BLDG. 316	HEATING PLANT &	316-8E	Contaminant High -	Isolation	Backsiphonage	#316A South West Wall of	HBIVB			0.75			Properly Install	Outside Hose Bibbs (with AFHBVB)
BLDG. 316	HEATING PLANT &	316-9E	Contaminant	Isolation	Backsiphonage	Bldg. #316A	HBIVB			0.75		Install Backflow Preventer	Required	Outside Hose Bibbs (with AFHBVB) Supply to Coffee Pot - or Provide
BLDG. 316	HEATING PLANT &	316-10R	Low - Pollution	Isolation	Backsiphonage	Trailer #316B	VMBP			0.375		for Beverage Dispensing Equipment (ASSE #1022)	Install Required	Documentation of Internal Approved Backflow Prevention
BLDG. 316	HEATING PLANT &	316-11E	High - Contaminant	Isolation	Backsiphonage	Restrooms (3) in Trailer #316B	RRF						Installed Properly	Restroom Fixtures (3)
BLDG. 316	HEATING PLANT &	316-12E	High - Contaminant	Isolation	Backsiphonage	Restrooms (3)	RRF						Installed Properly	Restroom Fixtures (3)
BLDG. 319	PUMP HOUSE	319-1E	Low - Pollution	Containment	Both	Fire Protection System	DCV	Ames	2000 SE	8	2EL0784		Installed Properly	Fire Protection System
BLDG. 320	MUNITIONS ADMIN	320-1E	High - Contaminant	Isolation	Both	Boiler Room	RP	Watts	909MOD	0.75	23719		Installed Properly	Treated Boiler

Facility Number	Facility Name	Device Number	Hazard Level	Protection Type	Cross- Connection Type	Location	Device Type	Manufacturer	Model	Size	Serial Number	Recommendation	Equipment Status	Comments
BLDG. 320	MUNITIONS ADMIN	320-2E	High -	Containment	Both	Furnace Room	RP	Watts	9	1.5	72718		Installed	Containment Assembly
BLDG. 320	IVIUNITIONS ADIVIIN	32U-2E	Contaminant High -	Containment	BOUT	rumace Room	KP	watts	9	1.5	72/16		Properly Installed	Containment Assembly
BLDG. 320	MUNITIONS ADMIN	320-3E	Contaminant	Isolation	Backsiphonage	North Wall	HBVB			0.75			Properly	Outside Hose Bibb
			High -										Installed	
BLDG. 320	MUNITIONS ADMIN	320-4E	Contaminant	Isolation	Backsiphonage	South Wall	HBVB			0.75			Properly	Outside Hose Bibb
BLDG. 320	MUNITIONS ADMIN	320-5E	High - Contaminant	Isolation	Backsiphonage	South Wall	HBVB			0.75			Installed Properly	Outside Hose Bibb - South Wall
			High -		. 0	Power Washer in Drive							Install	Hose Bibb Supplying Power Washer -
BLDG. 320	MUNITIONS ADMIN	320-6E	Contaminant	Isolation	Backsiphonage	Thru Maintenance Area	HBVB			0.75			Required	Inappropriate Backflow Preventer
BLDG. 320	MUNITIONS ADMIN	320-7R	High - Contaminant	Isolation	Both	Drive Thru Maintenance Area	RP			0.75		Install Reduced Pressure Backflow Prevention Assembly (ASSE #1013)	Install Required	Supply to Hose Bibb Supplying Power Washer
			High -										Installed	
BLDG. 320	MUNITIONS ADMIN	320-8E	Contaminant	Isolation	Backsiphonage	Restrooms (2)	RRF			-			Properly	Restroom Fixtures (5)
BLDG. 320	MUNITIONS ADMIN	320-9E	High - Contaminant	Isolation	Both	Janitor's Closet	AVB			0.5			Install Required	Slop Sink - Supplies Soap Dispenser Through a Valved Wye Connection
DEDG. 320	WOWN	320 JL	High -	isolution	Botti	Junitor 3 closet	AVD			0.5			Install	Soap Dispenser (ASSE #1055B) - Supplied From
BLDG. 320	MUNITIONS ADMIN	320-10E	Contaminant	Isolation	Both	Janitor's Closet	AG			1			Required	Slop Sink Through a Vavled Wye Connection
BLDG. 320	MUNITIONS ADMIN	320-11R	High - Contaminant	Isolation	Both	Janitor's Closet	Install					Remove Valved Wye Connection From Hose Threads of Slop Sink and Install Water Wasting Tee	Install Required	Slop Sink - Supplies Soap Dispenser Through a Valved Wye Connection - No Valves Allowed Downstream of Vacuum Breaker ASSE 1001 or ASSE 1011 - Tee Will Supply Valved Wye and Soap Dispenser
BLDG. 320	WONTHONS ADMIN	320-11N	High -	1301811011	Botti	Janitor 3 Closet	iiistaii					mistan water wasting ree	Installed	Joap Dispenser
BLDG. 322	MUNITIONS	322-1E	Contaminant	Isolation	Backsiphonage	Restrooms (1)	RRF						Properly	Restroom Fixtures (1)
		222.25	High -			B 11 B 11200		Apollo/	4000440		17540		Installed	T 1 10 11
BLDG. 322	MUNITIONS	322-2E	Contaminant High -	Isolation	Both	Boiler Room #303	RP	Conbraco	40204A2	0.75	Y7518		Properly Installed	Treated Boiler
BLDG. 410	CE	410-1E	Contaminant	Containment	Both	Garage	RP	Watts	909MOD	3	163136		Properly	Containment Assembly at Water Meter
			High -			Men's Locker Room							Installed	
BLDG. 410	CE	410-2E	Contaminant High -	Isolation	Backsiphonage	#113 Women's Locker Room	AG			1			Properly Installed	Hand Held Shower
BLDG. 410	CE	410-3E	Contaminant	Isolation	Backsiphonage	#111	AG			1			Properly	Hand Held Shower
			High -										Installed	
BLDG. 410	CE	410-4E	Contaminant	Isolation	Backsiphonage	Break Room #110	AG			1			Properly	Ice Machine Condenser Drain
			High -									Install Backflow Preventer for Beverage Dispensing	Install	Coffee Pot - or Provide Documentation of
BLDG. 410	CE	410-5R	Contaminant	Isolation	Both	Break Room #110	VMBP			0.375		Equipment (ASSE #1022)	Required	Proper Internal Backflow Prevention
												Remove Valved Wye Connection From Hose		Slop Sink - Supplies Soap Dispenser Through a Valved Wye Connection - No Valves Allowed Downstream of Vacuum Breaker ASSE 1001 or
			High -									Threads of Slop Sink and	Install	ASSE 1011 - Tee Will Supply Valved Wye and
BLDG. 410	CE	410-6E	Contaminant	Isolation	Both	Janitor's Closet #108	AVB			0.5		Install Water Wasting Tee	Required Install	Soap Dispenser (ASSE #10EEB) Supplied From
BLDG. 410	CE	410-7E	High - Contaminant	Isolation	Both	Janitor's Closet #108	AG			1			Required	Soap Dispenser (ASSE #1055B) - Supplied From Slop Sink Through a Vavled Wye Connection
			High -									Remove Valved Wye Connection From Hose Threads of Slop Sink and	Install	Slop Sink - Supplies Soap Dispenser Through a Valved Wye Connection - No Valves Allowed Downstream of Vacuum Breaker ASSE 1001 or ASSE 1011 - Tee Will Supply Valved Wye and
BLDG. 410	CE	410-8R	Contaminant High -	Isolation	Both	Janitor's Closet #108	Install					Install Water Wasting Tee Install Hose Bibb Vacuum	Required Install	Soap Dispenser
BLDG. 410	CE	410-9R	Contaminant	Isolation	Backsiphonage	Garage	HBVB			0.75		Breaker (ASSE #1011)	Required	Hose Bibb at Water Meter
BLDG. 410	CE	410-10R	High - Contaminant	Isolation	Backsiphonage	Garage	HBVB			0.75		Install Hose Bibb Vacuum Breaker (ASSE #1011)	Install Required	Hose Bibb at Water Meter
DI DC 446	CF.	440 445	High -		Barderiahana	Outside Hear Bibb	A FLIDVO			0.75			Installed	
BLDG. 410	CE	410-11E	Contaminant High -	Isolation	Backsiphonage	Outside Hose Bibb	AFHBVB			0.75			Properly Installed	
BLDG. 410	CE	410-12E	Contaminant	Isolation	Backsiphonage	Garage	HBVB			0.75			Properly	Hose Bibb Under Sink

					Cross-									
Facility Number	Facility Name	Device Number	Hazard Level	Protection Type	Connection Type	Location	Device Type	Manufacturer	Model	Size	Serial Number	Recommendation	Equipment Status	Comments
- Tumber	rune	110111201	High -	.,,,,	.,,,,	20001011	.,,,,		····ouc.	0.20	110111201	necommendation	Installed	Comments
BLDG. 410	CE	410-13E	Contaminant	Isolation	Backsiphonage	Restrooms (6)	RRF						Properly	Restroom Fixtures (16)
BLDG. 410	CE	410-14E	Low - Pollution	Containment	Both	Paint Room #127	DCV	Watts	709	8			Installed Properly	Fire Protection System
			Low -										Installed	
BLDG. 430	RPA/ISRG	430-1E	Pollution High -	Containment	Both	Pump Room	RP	Watts	909 M1	8	625092		Properly	Fire Protection System
BLDG. 430	RPA/ISRG	430-2E	Contaminant	Containment	Both	Mechanical Room #1902	RP	Watts	957	3	OK0462		Installed Properly	Containment Assembly at Water Meter
			High -			Mechanical Room							Installed	
BLDG. 430	RPA/ISRG	430-3E	Contaminant High -	Isolation	Both	#1902 Mechanical Room	RP	Watts	LF009M3QT	0.75	61648		Properly Installed	Glycol Tank Make-Up for Cooling Tower
BLDG. 430	RPA/ISRG	430-4E	Contaminant	Isolation	Both	#1092	RP	Watts	LF009M2QT	1.5	33161		Properly	Cooling Tower Make-Up
		400 55	High -			Mechanical Room				0.5	0.4500		Installed	
BLDG. 430	RPA/ISRG	430-5E	Contaminant High -	Isolation	Backsiphonage	#1092	RP	Watts	LF009M2	0.5	94538		Properly Installed	Humidifier Make-Up
BLDG. 430	RPA/ISRG	430-6E	Contaminant	Isolation	Backsiphonage	Restrooms (7)	RRF						Properly	Restroom Fixtures (23)
	DD 1 //CD C	400 75	High -			Women's Locker Room							Installed	
BLDG. 430	RPA/ISRG	430-7E	Contaminant High -	Isolation	Backsiphonage	#1003 Men's Locker Room	HBVB			0.5			Properly Installed	Hand Held Shower
BLDG. 430	RPA/ISRG	430-8E	Contaminant	Isolation	Backsiphonage	#1005	HBVB			0.5			Properly	Hand Held Shower
BLDG. 430	RPA/ISRG	430-9E	High - Contaminant	Isolation	Backsiphonage	Hawks Nest "Room #1050"	AG			1			Installed Properly	Ice Machine Condenser Drain
BLDG. 430	KFAYISKG	430-3E	High -	isolation	Backsipilollage	#1030	AG			1			Install	Slop Sink - Supplies Soap Dispenser Through a
BLDG. 430	RPA/ISRG	430-10E	Contaminant	Isolation	Both	Janitor's Closet #1032	AVB			0.5			Required	Valved Wye Connection
BLDG. 430	RPA/ISRG	430-11E	High - Contaminant	Isolation	Both	Janitor's Closet #1032	AG			1			Install Required	Soap Dispenser (ASSE #1055B) - Supplied From Slop Sink Through a Vavled Wye Connection
DEDG: 430	III Ay ISING	430 112	Contaminant	isolution	Botti	Junitor 3 Closet #1032	AG			-			Required	Slop Sink - Supplies Soap Dispenser Through a
												Remove Valved Wye		Valved Wye Connection - No Valves Allowed
			High -									Connection From Hose Threads of Slop Sink and	Install	Downstream of Vacuum Breaker ASSE 1001 or ASSE 1011 - Tee Will Supply Valved Wye and
BLDG. 430	RPA/ISRG	430-12R	Contaminant	Isolation	Both	Janitor's Closet #1032	Install					Install Water Wasting Tee	Required	Soap Dispenser
BLDG. 430	RPA/ISRG	430-13E	High - Contaminant	Isolation	Backsiphonage	Men's 2nd Floor Locker Room #2005	HBVB			0.5			Installed Properly	Hand Held Shower
DEDG. 430	NFAy ISNO	430-131	High -	isolation	Backsipilollage	100111 #2003	HOVD			0.5			Install	Slop Sink - Supplies Soap Dispenser Through a
BLDG. 430	RPA/ISRG	430-14E	Contaminant	Isolation	Both	Janitor's Closet #2002	AVB			0.5			Required	Valved Wye Connection
BLDG. 430	RPA/ISRG	430-15E	High - Contaminant	Isolation	Backsiphonage	Janitor's Closet #2002	AG			1			Install Required	Soap Dispenser (ASSE #1055B) - Supplied From Slop Sink Through a Vavled Wye Connection
	,													Slop Sink - Supplies Soap Dispenser Through a
												Remove Valved Wye		Valved Wye Connection - No Valves Allowed
			High -									Connection From Hose Threads of Slop Sink and	Install	Downstream of Vacuum Breaker ASSE 1001 or ASSE 1011 - Tee Will Supply Valved Wye and
BLDG. 430	RPA/ISRG	430-16R	Contaminant	Isolation	Both	Janitor's Closet #2002	Install					Install Water Wasting Tee	Required	Soap Dispenser
BLDG. 430	RPA/ISRG	430-17E	High - Contaminant	Isolation	Backsiphonage	North Wall	HBVB			0.75			Installed Properly	Outside Hose Bibb
DEDG: 430	III Ay ISING	430 172	High -	isolution	Bucksipiloliage	North Wall	HBVB			0.75			Installed	Outside Hose blab
BLDG. 430	RPA/ISRG	430-19E	Contaminant	Isolation	Backsiphonage	East Wall	HBVB			0.75			Properly	Outside Hose Bibb
BLDG. 430	RPA/ISRG	430-20E	High - Contaminant	Isolation	Backsiphonage	East Wall	HBVB			0.75			Installed Properly	Outside Hose Bibb
			High -			Water Meter in							Installed	
BLDG. 440	LRS	440-1E	Contaminant	Containment	Both	Sprinkler Room	RP	Watts	909	1.5	327609		Properly	Containment Assembly
BLDG. 440	LRS	440-2E	Low - Pollution	Containment	Both	Fire Pump Room #158	DCDA	Watts	757DCDA- GV	6	PE0447		Installed Properly	Fire Protection System
			Low -										Installed	
BLDG. 440	LRS	440-3E	Pollution	Containment	Both	Fire Pump Room #158	DCV	Watts	007 M3 QT	0.75	210818		Properly Installed	Fire Protection Detector Assembly
BLDG. 440	LRS	440-4E	High - Contaminant	Isolation	Backsiphonage	Fire Pump Room #158	HBVB			0.75			Properly	Hose Bibb
			High -										Installed	
BLDG. 440	LRS	440-5E	Contaminant High -	Isolation	Backsiphonage	East Wall	HBVB			0.75			Properly Installed	Outside Hose Bibb
BLDG. 440	LRS	440-6E	Contaminant	Isolation	Backsiphonage	East Wall	HBVB			0.75			Properly	Outside Hose Bibb

								i						
					Cross-									
Facility	Facility	Device		Protection	Connection		Device				Serial		Equipment	
Number	Name	Number	Hazard Level	Туре	Туре	Location	Туре	Manufacturer	Model	Size	Number	Recommendation	Status	Comments
BLDG. 440	LRS	440-7E	High - Contaminant	Isolation	Backsiphonage	Outside Hose Bibb	HBVB			0.75			Installed Properly	Outside Hose Bibb
5250. 110	2110	11072	High -	isolation	Backsipironage	Gutside Hose Bibb	11070			0.75			Installed	Guiside Hose Bibb
BLDG. 440	LRS	440-8E	Contaminant	Isolation	Backsiphonage	Outside Hose Bibb	HBVB			0.75			Properly	Outside Hose Bibb
L			High -										Installed	
BLDG. 440	LRS	440-9E	Contaminant High -	Isolation	Backsiphonage	Outside Hose Bibb	HBVB			0.75			Properly Installed	Outside Hose Bibb
BLDG. 440	LRS	440-10E	Contaminant	Isolation	Backsiphonage	Room #155	AVB			0.5			Properly	Slop Sink
			High -			Garage Outside Room							Installed	
BLDG. 440	LRS	440-11E	Contaminant	Isolation	Backsiphonage	#155	HBVB			0.75			Properly	Hose Bibb
BLDG. 440	LRS	440-12E	High - Contaminant	Isolation	Backsiphonage	Garage Tire Area	HBVB			0.75			Installed Properly	Hose Bibb
BLDG. 440	LN3	440-120	High -	isolation	backsipiionage	Garage Tile Area	почь			0.73			Installed	nose blub
BLDG. 440	LRS	440-13E	Contaminant	Isolation	Backsiphonage	Garage Tire Area	HBVB			0.75			Properly	Hose Bibb
			High -			Garage Outside Room							Installed	
BLDG. 440	LRS	440-14E	Contaminant	Isolation	Backsiphonage	#160	HBVB			0.75			Properly	Hose Bibb
BLDG. 440	LRS	440-15E	High - Contaminant	Isolation	Backsiphonage	Wash Bay #157	AG			1			Installed Properly	Power Washer (Supplied by Hose Bibb with HBVB)
5250. 110	2110	110 101	High -	isolation	Bucksiphonage	Wash bay mas /	7.0						Installed	11515)
BLDG. 440	LRS	440-16E	Contaminant	Isolation	Backsiphonage	Wash Bay #157	HBVB			0.75			Properly	Hose Bibb
DI DC 440	LDC	440.475	High -	landadia	Danksisk sassas	14/b D #457	LIDV(D			0.75			Installed	Harr Bible
BLDG. 440	LRS	440-17E	Contaminant High -	Isolation	Backsiphonage	Wash Bay #157	HBVB			0.75			Properly Installed	Hose Bibb
BLDG. 440	LRS	440-18E	Contaminant	Isolation	Backsiphonage	Wash Bay #157	HBVB			0.75			Properly	Hose Bibb
			High -			,							Installed	
BLDG. 440	LRS	440-19E	Contaminant	Isolation	Backsiphonage	Wash Bay #157	HBVB			0.75			Properly	Hose Bibb
BLDG. 440	LRS	440-20E	High - Contaminant	Isolation	Backsiphonage	South Wall in Garage	HBVB			0.75			Installed Properly	Hose Bibb
BLDG. 440	LN3	440-20E	High -	isolation	backsipiioilage	South Wall in Garage	ПВУВ			0.73			Installed	nose blub
BLDG. 440	LRS	440-21E	Contaminant	Isolation	Backsiphonage	South Wall in Garage	HBVB			0.75			Properly	Hose Bibb
			High -										Installed	
BLDG. 440	LRS	440-22E	Contaminant	Isolation	Backsiphonage	South Wall in Garage	HBVB			0.75			Properly Installed	Hose Bibb
BLDG. 440	LRS	440-23E	High - Contaminant	Isolation	Backsiphonage	South Wall in Garage	HBVB			0.75			Properly	Hose Bibb
			High -			North West Corner of							Installed	1000
BLDG. 440	LRS	440-24E	Contaminant	Isolation	Backsiphonage	Garage	HBVB			0.75			Properly	Hose Bibb
		*** ***	High -			Garage Outside Room				0.75			Installed	
BLDG. 440	LRS	440-25E	Contaminant Low -	Isolation	Backsiphonage	#154	HBVB			0.75			Properly Installed	Hose Bibb
BLDG. 440	LRS	440-26E	Pollution	Isolation	Backsiphonage	Break Room #132	AG			1			Properly	Coffee Pot (Bunn)
			High -										Installed	
BLDG. 440	LRS	440-27E	Contaminant	Isolation	Backsiphonage	Break Room #132	AG			1			Properly	Ice Machine Condenser Drain
BLDG. 440	LRS	440-28E	High - Contaminant	Isolation	Both	Janitor's Closet #138	AVB			0.5			Install Required	Slop Sink - Supplies Soap Dispenser Through a Valved Wye Connection
BLDG. 440	LING	440-20L	High -	isolation	Botti	Janitor 3 Closet #136	AVD			0.5			Install	Soap Dispenser (ASSE #1055B) - Supplied From
BLDG. 440	LRS	440-29E	Contaminant	Isolation	Backsiphonage	Janitor's Closet #138	AG			1			Required	Slop Sink Through a Vavled Wye Connection
												Daniel Make and Make a		Slop Sink - Supplies Soap Dispenser Through a
												Remove Valved Wye Connection From Hose		Valved Wye Connection - No Valves Allowed Downstream of Vacuum Breaker ASSE 1001 or
			High -									Threads of Slop Sink and	Install	ASSE 1011 - Tee Will Supply Valved Wye and
BLDG. 440	LRS	440-30R	Contaminant	Isolation	Both	Janitor's Closet #138	Install					Install Water Wasting Tee	Required	Soap Dispenser
BLDG. 440	LRS	440-31E	High - Contaminant	Isolation	Backsiphonage	Mechanical Room	HBVB			0.75			Installed Properly	Hose Bibb
DLUG. 440	LN3	44U-31E	High -	isolation	раскзірпопаде	ivieciidilicai ROOIII	прир			0.75			Installed	LIOSE DINN
BLDG. 440	LRS	440-32E	Contaminant	Isolation	Backsiphonage	Restrooms (4)	RRF						Properly	Restroom Fixtures (7)
BLDG. 440	LRS	440-32E	Contaminant	Isolation	Backsiphonage	Restrooms (4)	RRF						Properly	Restroom Fixtures (7)

2.2 EXISTING TESTABLE BACKFLOW PREVENTION ASSEMBLIES

There are presently **fifty (50)** existing backflow prevention assemblies that require testing. To assist facility personnel with identification of testable backflow prevention devices, an "Existing Testable Devices List" has been included noting device locations and information.

132D Wing - Existing Testable Backflow Assemblies

Facility Number	Facility Name	Device Number	Hazard Level	Protection Type	Cross- Connection Type	Location	Device Type	Manufacturer	Model	Size	Serial Number	Equipment Status	Comments
BLDG. 100	WING	100-1E	High - Contaminant	Containment	Both	Boiler Room #130	RP	Watts	909	4	Illegible	Installed Properly	Containment Assembly at Water Meter
			High -										
BLDG. 100	WING	100-3E	Contaminant High -	Isolation	Both	Boiler Room #130	RP	Watts	009 M2	0.75	64879	Installed Properly	Treated Boiler Fire Protection System - System Contains Foam -
BLDG. 100	WING	100-11E	Contaminant High -	Containment	Both	Pump Room #148	DCV	Ames	2000 SE	8	2EL0768	Repair/Replace	Inappropriate Backflow Preventer
BLDG. 100	WING	100-25E	Contaminant	Isolation	Both	Room #315	RP	Watts	009 M2	0.75	64876	Installed Properly	Treated Boiler
BLDG. 101	CST	101-5E	Low - Pollution	Containment	Both	North bay (This Part of Building Soon to be Demoed)	DCV	Ames	2000 SS	4	2FL1191	Installed Properly	Fire Protection System
BLDG. 101	CST	101-6E	High - Contaminant	Containment	Both	Water Meter in Boiler Room	RP	Watts	909 MOD	2	261999	Installed Properly	Containment Assembly at Water Meter
	FSS/MEDICAL/DFAC		High -			Boiler Room	RP	Apollo/ Conbraco		1	M8103	. ,	
BLDG. 110	F35/WEDICAL/DFAC	110-4E	Contaminant High -	Isolation	Both	Boller Rooffi		COMDITACO	40205A2		IVIOLUS	Installed Properly	Treated Boiler
BLDG. 110	FSS/MEDICAL/DFAC	110-5E	Contaminant High -	Containment	Both	Boiler Room Crawl Space	RP	Watts	9	3	5017	Installed Properly	Containment Assembly at Water Meter
BLDG. 110	FSS/MEDICAL/DFAC	110-6E	Contaminant	Isolation	Both	Boiler Room	RP	Watts	009 M2	0.75	32461	Installed Properly	Treated Boiler
BLDG. 124	TTF	124-7E	High - Contaminant	Containment	Both	Weapon Room	RP	Watts	9	3	5022	Installed Properly	Containment Assembly at Water Meter
BLDG. 124	TTF	124-13E	High - Contaminant	Isolation	Both	Boiler Room #103	RP	Watts	909-QT	1	582742	Installed Properly	Treated Boiler
BLDG. 124	TTF	124-14E	Low - Pollution	Containment	Both	Pump Room #102	DCV	Watts	757	6	IH5967	Installed Properly	Fire Protection System
BLDG. 125	CIVIL AIR PATROL	125-1E	High - Contaminant	Isolation	Both	Boiler Room #109A	RP	Hersey/ Beeco	FRP II	0.75	942175	Installed Properly	Treated Boiler
BLDG. 123	CIVIL AIR PATROL		High -	isolation	BOUT	Bollet Rootti #105A		веесо				ilistalled Property	Treated Bollet
BLDG. 125	CIVIL AIR PATROL	125-6E	Contaminant High -	Containment	Both	Pump Room #101	RP	Watts	009	3	5945	Installed Properly	Containment Assembly at Water Meter Fire Protection System - System Contains Foam -
BLDG. 125	CIVIL AIR PATROL	125-7E	Contaminant	Containment	Both	Pump Room #101	DCV	Febco	805YD	6	9411041601	Repair/Replace	Inappropriate Backflow Preventer
BLDG. 132	BX	132-4E	High - Contaminant	Containment	Both	Mechanical Room #109	RP	Watts	9	1	12704	Installed Properly	Containment Assembly at Water Meter
BLDG. 132	вх	132-5E	High - Contaminant	Containment	Both	Mechanical Room #109	RP	Watts	9	0.75	64888	Installed Properly	Containment Assembly at Water Meter (device is installed downstream of RP and is not necessary)
BLDG. 160	ARMY	160-1E	High - Contaminant	Containment	Both	Pump Room	RP	Watts	009 M2	2	275778	Installed Properly	Containment Assembly at Water Meter
DI DC 460	4 DA 4V	150.25	High -	Contrinuo	D-4b	Down Draw	DD.	14/-44-	000 143	,	275702	Installed Branch	Ct-i
BLDG. 160	ARMY	160-2E	Contaminant Low -	Containment	Both	Pump Room	RP	Watts	009 M2	2	275782	Installed Properly	Containment Assembly at Water Meter
BLDG. 160	ARMY	160-3E	Pollution High -	Containment	Both	Pump Room	DCV	Ames	2000 SS	6	1652190110	Installed Properly	Fire Protection System
BLDG. 160	ARMY	160-5E	Contaminant	Isolation	Both	Boiler Room #104	RP	Watts	909 MOD	0.75	333864	Installed Properly	Treated Boiler
BLDG. 180	DTOC	180-8E	High - Contaminant	Containment	Both	Mechanical Room #108	RP	Watts	009 M2	2	281920	Installed Properly	Containment Assembly at Water Meter
BLDG. 180	DTOC	180-9E	High - Contaminant	Containment	Both	Mechanical Room #108	RP	Watts	009 M2	2	281928	Installed Properly	Containment Assembly at Water Meter
BLDG. 180	DTOC	180-15E	Low - Pollution	Isolation	Both	Boiler Room #109	RP	Watts	9	0.5	310834	Installed Properly	Untreated Boiler
BLDG. 180	DTOC	180-13E	High - Contaminant	Isolation	Both	Mechanical Room #114	RP	Apollo/ Conbraco	40204A2	0.75	L5126	Installed Properly	Chilled Water Make-Up
BLDG. 180	DTOC	180-22E	Low - Pollution	Containment	Both	Pump Room #125	RP	Ames	4000 SS	4	4CJ0017	Installed Properly	Fire Protection System
			High -					Apollo/					
BLDG. 180	DTOC	180-23E	Contaminant	Isolation	Both	Pump Room #125	RP	Conbraco	40205T2	1	01401T	Installed Properly	Chemical Tank Make-Up

Facility Number	Facility Name	Device Number	Hazard Level	Protection Type	Cross- Connection Type	Location	Device Type	Manufacturer	Model	Size	Serial Number	Equipment Status	Comments
BLDG. 240	СОММ	240-1E	Low - Pollution	Containment	Both	Outside Pump House	DCV	Ames	colt-200	6	LG0862	Installed Properly	Fire Protection System
BLDG. 240	СОММ	240-2E	Low - Pollution	Containment	Both	Boiler Room	DCV	Watts	757	6		Installed Properly	Fire Protection System (Redundant, Not Needed)
BLDG. 240	сомм	240-3E	High - Contaminant	Containment	Both	Boiler Room	RP	Watts	9	2.5	32701	Installed Properly	Containment Assembly at Water Meter
BLDG. 240	СОММ	240-4E	High - Contaminant	Isolation	Both	Boiler Room	RP	Apollo	RP40	0.75	225170	Installed Properly	Treated Boiler
BLDG. 300	SECURITY	300-1E	High - Contaminant	Containment	Both	Pump Room	RP	Watts	009 M2 QT	2	135516	Installed Properly	Containment Assembly at Water Meter
BLDG. 300	SECURITY	300-2E	Low - Pollution	Containment	Both	Pump Room	DCV	Ames	COLT200	6	LB0930	Installed Properly	Fire Protection System
BLDG. 315	ALERT HANGAR	315-1E	High - Contaminant	Containment	Both	Mechanical Room	RP	Watts	009	2	77990	Installed Properly	Containment Assembly at Water Meter
BLDG. 316	HEATING PLANT &	316-1E	High - Contaminant	Containment	Both	By Water Meter in Boiler Room	RP	Watts	9	2	72560	Installed Properly	Containment Assembly
BLDG. 316	HEATING PLANT &	316-3E	High - Contaminant	Isolation	Both	Boiler Room	RP	Apollo/ Conbraco	40204A2	0.75	L5118	Installed Properly	Treated Boiler
BLDG. 319	PUMP HOUSE	319-1E	Low - Pollution	Containment	Both	Fire Protection System	DCV	Ames	2000 SE	8	2EL0784	Installed Properly	Fire Protection System
BLDG. 320	MUNITIONS ADMIN	320-1E	High - Contaminant	Isolation	Both	Boiler Room	RP	Watts	909MOD	0.75	23719	Installed Properly	Treated Boiler
BLDG. 320	MUNITIONS ADMIN	320-2E	High - Contaminant	Containment	Both	Furnace Room	RP	Watts	9	1.5	72718	Installed Properly	Containment Assembly
BLDG. 322	MUNITIONS	322-2E	High - Contaminant	Isolation	Both	Boiler Room #303	RP	Apollo/ Conbraco	40204A2	0.75	Y7518	Installed Properly	Treated Boiler
BLDG. 410	CE	410-1E	High - Contaminant	Containment	Both	Garage	RP	Watts	909MOD	3	163136	Installed Properly	Containment Assembly at Water Meter
BLDG. 410	CE	410-14E	Low - Pollution	Containment	Both	Paint Room #127	DCV	Watts	709	8		Installed Properly	Fire Protection System
BLDG. 430	RPA/ISRG	430-1E	Low - Pollution	Containment	Both	Pump Room	RP	Watts	909 M1	8	625092	Installed Properly	Fire Protection System
BLDG. 430	RPA/ISRG	430-2E	High - Contaminant	Containment	Both	Mechanical Room #1902	RP	Watts	957	3	OK0462	Installed Properly	Containment Assembly at Water Meter
BLDG. 430	RPA/ISRG	430-3E	High - Contaminant	Isolation	Both	Mechanical Room #1902	RP	Watts	LF009M3QT	0.75	61648	Installed Properly	Glycol Tank Make-Up for Cooling Tower
BLDG. 430	RPA/ISRG	430-4E	High - Contaminant	Isolation	Both	Mechanical Room #1092	RP	Watts	LF009M2QT	1.5	33161	Installed Properly	Cooling Tower Make-Up
BLDG. 430	RPA/ISRG	430-5E	High - Contaminant	Isolation	Backsiphonage	Mechanical Room #1092	RP	Watts	LF009M2	0.5	94538	Installed Properly	Humidifier Make-Up
BLDG. 440	LRS	440-1E	High - Contaminant	Containment	Both	Water Meter in Sprinkler Room	RP	Watts	909	1.5	327609	Installed Properly	Containment Assembly
BLDG. 440	LRS	440-2E	Low - Pollution Low -	Containment	Both	Fire Pump Room #158	DCDA	Watts	757DCDA- GV	6	PE0447	Installed Properly	Fire Protection System
BLDG. 440	LRS	440-3E	Pollution	Containment	Both	Fire Pump Room #158	DCV	Watts	007 M3 QT	0.75	210818	Installed Properly	Fire Protection Detector Assembly

2.2.1 BLDG. 100 - Wing

Location:	Boiler Room #130 1	01-1E		Location:	Boiler Room #130	piler Room #130		
Existing ID #:	101-1E	BFP Type:	RP	Existing ID #:	100-3E	BFP Type:	RP	
Manufacturer:	Watts	Model:	909	Manufacturer:	Watts	Model:	909M2	
Size:	4"	Serial #:	Illegible	Size:	.75"	Serial:	64879	
Hazard Level:	High	CC Type:	Both	Hazard Level:	High	CC Type:	Both	
Equipment Status:	Installed Properly	Protection Type:	Containment	Equipment Status:	Installed Properly	Protection Type:	Containment	
Recommendation:				Recommendation:				
Comments:	Containment Assem	ibly at Water Meter		Comments:	Treated Boiler			





BLDG. 100 - Wing

Location:	Pump Room #148			Location:	Room #315			
Existing ID #:	100-11E	BFP Type:	DCV	Existing ID #:	100-25E	BFP Type:	RP	
Manufacturer:	Ames	Model:	2000SE	Manufacturer:	Watts	Model:	009 M2	
Size:	8"	Serial #:	2EL0768	Size:	.75"	Serial:	64876	
Hazard Level:	High	CC Type:	Both	Hazard Level:	High	CC Type:	Both	
Equipment Status:	Repair/Replace	Protection Type:	Containment	Equipment Status:	Installed Properly	Protection Type:	Isolation	
Recommendation:				Recommendation:				
Comments:	Fire Protection Syst Inappropriate Back	em - System Contains flow Preventer	s Foam -	Comments:	Treated Boiler			





2.2.2 BLDG. 101 - CST

Location:	North bay (This Part	t of Building Soon to b	pe Demoed)	Location:	Water Meter in Boil	er Room	
Existing ID #:	101-5E	BFP Type:	DCV	Existing ID #:	101-6E	BFP Type:	RP
Manufacturer:	Ames	Model:	2000 SS	Manufacturer:	Watts	Model:	909 MOD
Size:	4"	Serial #:	2FL1191	Size:	2"	Serial:	261999
Hazard Level:	Low	CC Type:	Both	Hazard Level:	High	CC Type:	Both
Equipment Status:	Installed Properly	Protection Type:	Containment	Equipment Status:	Installed Properly	Protection Type:	Containment
Recommendation:				Recommendation:			
Comments:	Fire Protection Syst	em		Comments:	Containment Assembly at Water Meter		





2.2.3 BLDG. 110 - FSS/Medical/DFAC

Location:	Boiler Room			Location:	Boiler Room Crawl Space				
Existing ID #:	110-4E	BFP Type:	RP	Existing ID #:	1-1-5E	BFP Type:	RP		
Manufacturer:	Apollo/Conbraco	Model:	40205A2	Manufacturer:	Watts	Model:	009		
Size:	1"	Serial #:	M8103	Size:	3"	Serial:	5017		
Hazard Level:	High	CC Type:	Both	Hazard Level:	High	CC Type:	Both		
Equipment Status:	Installed Properly	Protection Type:	Isolation	Equipment Status:	Installed Properly	Protection Type:	Containment		
Recommendation:				Recommendation:					
Comments:	Treated Boiler			Comments:	Containment Assem	nbly at Water Meter			





BLDG. 110 - FSS/Medical/DFAC

Location:	Boiler Room		
Existing ID #:	110-6E	BFP Type:	RP
Manufacturer:	Watts	Model:	009 M2
Size:	.75"	Serial #:	32461
Hazard Level:	High	CC Type:	Both
Equipment Status:	Installed Properly	Protection Type:	Isolation
Recommendation:			
Comments:	Treated Boiler		



2.2.4 BLDG. 124 - TTF

Location:	Weapon Room			Location:	Boiler Room #103	Boiler Room #103		
Existing ID #:	124-7E	BFP Type:	RP	Existing ID #:	124-13E	BFP Type:	RP	
Manufacturer:	Watts	Model:	009	Manufacturer:	Watts	Model:	909-QT	
Size:	3"	Serial #:	5022	Size:	1"	Serial:	582742	
Hazard Level:	High	CC Type:	Both	Hazard Level:	High	CC Type:	Both	
Equipment Status:	Installed Properly	Protection Type:	Containment	Equipment Status:	Installed Properly	Protection Type:	Isolation	
Recommendation:				Recommendation:				
Comments:	Containment Assem	ibly at Water Meter		Comments:	Treated Boiler			





BLDG. 124 - TTF

Location:	Pump Room #102		
Existing ID #:	124-14E	BFP Type:	DCV
Manufacturer:	Watts	Model:	757
Size:	6"	Serial #:	IH5967
Hazard Level:	Low	CC Type:	Both
Equipment Status:	Installed Properly	Protection Type:	Containment
Recommendation:			
Comments:	Fire Protection Syste	em	



2.2.5 BLDG. 125 – Civil Air Patrol

Location:	Boiler Room #109A			Location:	Pump Room #101	101		
Existing ID #:	125-1E	BFP Type:	RP	Existing ID #:	125-6E	BFP Type:	RP	
Manufacturer:	Hersey/Beeco	Model:	FRP II	Manufacturer:	Watts	Model:	009	
Size:	.75"	Serial #:	942175	Size:	3"	Serial:	05945	
Hazard Level:	High	CC Type:	Both	Hazard Level:	High	CC Type:	Both	
Equipment Status:	Installed Properly	Protection Type:	Isolation	Equipment Status:	Installed Properly	Protection Type:	Containment	
Recommendation:				Recommendation:				
Comments:	Treated Boiler			Comments:	Containment Assem	nbly at Water Meter		

 $N \hspace{0.5cm} O \hspace{0.5cm} I \hspace{0.5cm} M \hspace{0.5cm} A \hspace{0.5cm} G \hspace{0.5cm} E$



BLDG. 125 - Civil Air Patrol

Location:	Pump Room #101				
Existing ID #:	125-7E	BFP Type:	DCV		
Manufacturer:	Febco	Model:	805YD		
Size:	6"	Serial #:	9411041601		
Hazard Level:	High	CC Type:	Both		
Equipment Status:	Repair/Replace	Protection Type:	Containment		
Recommendation:					
Comments:	Fire Protection System - System Contains Foam - Inappropriate Backflow Preventer				



2.2.6 BLDG. 132 - BX

Location:	Mechanical Room #109			Location:	Mechanical Room #109		
Existing ID #:	132-4E	BFP Type:	RP	Existing ID #:	132-5E	BFP Type:	RP
Manufacturer:	Watts	Model:	009	Manufacturer:	Watts	Model:	009
Size:	1"	Serial #:	12704	Size:	.75	Serial:	64888
Hazard Level:	High	CC Type:	Both	Hazard Level:	High	CC Type:	Both
Equipment Status:	Installed Properly	Protection Type:	Containment	Equipment Status:	Installed Properly	Protection Type:	Containment
Recommendation:				Recommendation:			
Comments:	Containment Assembly at Water Meter			Comments:	Containment Assembly at Water Meter (device is installed downstream of RPBP and is not necessary)		
				 			





2.2.7 BLDG. 160 - Army

Location:	Pump Room			Location:	Pump Room		
Existing ID #:	160-1E	BFP Type:	RP	Existing ID #:	160-2E	BFP Type:	RP
Manufacturer:	Watts	Model:	009 M2	Manufacturer:	Watts	Model:	009 M2
Size:	2"	Serial #:	275778	Size:	2"	Serial:	275782
Hazard Level:	High	CC Type:	Both	Hazard Level:	High	CC Type:	Both
Equipment Status:	Installed Properly	Protection Type:	Containment	Equipment Status:	Installed Properly	Protection Type:	Containment
Recommendation:				Recommendation:			
Comments:	Containment Assembly at Water Meter			Comments:	Containment Assembly at Water Meter		
	l				l		





BLDG. 160 - Army

Location:	Pump Room			Location:	Boiler Room #104		
Existing ID #:	160-3E	BFP Type:	DCV	Existing ID #:	160-5E	BFP Type:	RP
Manufacturer:	Ames	Model:	2000 SS	Manufacturer:	Watts	Model:	909 MOD
Size:	6"	Serial #:	1652190110	Size:	.75"	Serial:	333864
Hazard Level:	Low	CC Type:	Both	Hazard Level:	High	CC Type:	Both
Equipment Status:	Installed Properly	Protection Type:	Containment	Equipment Status:	Installed Properly	Protection Type:	Isolation
Recommendation:				Recommendation:			
Comments:	Fire Protection System			Comments:	Treated Boiler		
					I		





2.2.8 BLDG. 180 - DTOC

Location:	Mechanical Room #108			Location:	Mechanical Room #108		
Existing ID #:	180-8E	BFP Type:	RP	Existing ID #:	180-9E	BFP Type:	RP
Manufacturer:	Watts	Model:	009 M2	Manufacturer:	Watts	Model:	009 M2
Size:	2"	Serial #:	281920	Size:	2"	Serial:	281928
Hazard Level:	High	CC Type:	Both	Hazard Level:	High	CC Type:	Both
Equipment Status:	Installed Properly	Protection Type:	Containment	Equipment Status:	Installed Properly	Protection Type:	Containment
Recommendation:				Recommendation:			
Comments:	Containment Assembly at Water Meter			Comments:	Containment Assembly at Water Meter		





BLDG. 180 - DTOC

Location:	Boiler Room #109			Location:	Mechanical Room #114		
Existing ID #:	180-15E	BFP Type:	RP	Existing ID #:	180-18E	BFP Type:	RP
Manufacturer:	Watts	Model:	009	Manufacturer:	Apollo/Conbraco	Model:	40204A2
Size:	.5"	Serial #:	310834	Size:	.75"	Serial:	L5126
Hazard Level:	High	CC Type:	Both	Hazard Level:	High	CC Type:	Both
Equipment Status:	Installed Properly	Protection Type:	Isolation	Equipment Status:	Installed Properly	Protection Type:	Isolation
Recommendation:				Recommendation:			
Comments:	Untreated Boiler			Comments:	Chilled Water Make-Up		
					l		





BLDG. 180 - DTOC

Location:	Pump Room #125			Location:	Pump Room #125		
Existing ID #:	180-22E	BFP Type:	RP	Existing ID #:	180-23E	BFP Type:	RP
Manufacturer:	Ames	Model:	4000 SS	Manufacturer:	Apollo/Conbraco	Model:	40205T2
Size:	4"	Serial #:	4CJ0017	Size:	1"	Serial:	01401T
Hazard Level:	Low	CC Type:	Both	Hazard Level:	High	CC Type:	Both
Equipment Status:	Installed Properly	Protection Type:	Containment	Equipment Status:	Installed Properly	Protection Type:	Isolation
Recommendation:							
Comments:	Fire Protection Syste	Fire Protection System			Chemical Tank Make-Up		





2.2.9 BLDG. 240 - COMM

Location:	Outside Pump House			Location:	Boiler Room		
Existing ID #:	240-1E	BFP Type:	DCV	Existing ID #:	240-2E	BFP Type:	DCV
Manufacturer:	Ames	Model:	Colt-200	Manufacturer:	Watts	Model:	757
Size:	6"	Serial #:	LG0862	Size:	6"	Serial:	N/A
Hazard Level:	Low	CC Type:	Both	Hazard Level:	Low	CC Type:	Both
Equipment Status:	Installed Properly	Protection Type:	Containment	Equipment Status:	Installed Properly	Protection Type:	Containment
Recommendation:				Recommendation:			
Comments:	Fire Protection System			Comments:	Fire Protection System (Redundant, Not Needed)		





BLDG. 240 - COMM

Location:	Boiler Room	Boiler Room			Boiler Room		
Existing ID #:	240-3E	BFP Type:	RP	Existing ID #:	240-4E	BFP Type:	RP
Manufacturer:	Watts	Model:	009	Manufacturer:	Apollo	Model:	RP40
Size:	2.5"	Serial #:	32701	Size:	.75"	Serial:	225170
Hazard Level:	High	CC Type:	Both	Hazard Level:	High	CC Type:	Both
Equipment Status:	Installed Properly	Protection Type:	Containment	Equipment Status:	Installed Properly	Protection Type:	Isolation
Recommendation:				Recommendation:			
Comments:	Containment Assembly at Water Meter			Comments:	Treated Boiler		





2.2.10 BLDG. 300 - Security

Location:	Pump Room	Pump Room			Pump Room		
Existing ID #:	300-1E	BFP Type:	RP	Existing ID #:	300-2E	BFP Type:	DCV
Manufacturer:	Watts	Model:	009 M2QT	Manufacturer:	Ames	Model:	Colt 200
Size:	2"	Serial #:	135516	Size:	6"	Serial:	LB0930
Hazard Level:	High	CC Type:	Both	Hazard Level:	Low	CC Type:	Both
Equipment Status:	Installed Properly	Protection Type:	Containment	Equipment Status:	Installed Properly	Protection Type:	Containment
Recommendation:							
Comments:	Containment Assembly at Water Meter			Comments:	Fire Protection System		





2.2.11 BLDG. 315 - Alert Hangar

Location:	Mechanical Room					
Existing ID #:	315-1E	BFP Type:	RP			
Manufacturer:	Watts	Model:	009			
Size:	2"	Serial #:	77990			
Hazard Level:	High	CC Type:	Both			
Equipment Status:	Installed Properly	Protection Type:	Containment			
Recommendation:						
Comments:	Containment Assembly at Water Meter					



2.2.12 BLDG. 316 – Heating Plant

Location:	By Water Meter in Boiler Room			Location:	Boiler Room		
Existing ID #:	316-1E	BFP Type:	RP	Existing ID #:	316-3E	BFP Type:	RP
Manufacturer:	Watts	Model:	009	Manufacturer:	Apollo/Conbraco	Model:	40204A12
Size:	2"	Serial #:	72560	Size:	.75"	Serial:	L5118
Hazard Level:	High	CC Type:	Both	Hazard Level:	High	CC Type:	Both
Equipment Status:	Installed Properly	Protection Type:	Containment	Equipment Status:	Installed Properly	Protection Type:	Isolation
Recommendation:				Recommendation:			
Comments:	Containment Assembly			Comments:	Treated Boiler		





2.2.13 BLDG. 319 - Pump House

Location:	Fire Protection System					
Existing ID #:	319-1E	DCV				
Manufacturer:	Ames	Model:	2000 SE			
Size:	8"	Serial #:	2EL0784			
Hazard Level:	Low	CC Type:	Both			
Equipment Status:	Installed Properly	Protection Type:	Containment			
Recommendation:						
Comments:	Fire Protection System					



2.2.14 BLDG. 320 Munitions Admin.

Location:	Boiler Room	Boiler Room			Furnace Room		
Existing ID #:	320-1E	BFP Type:	RP	Existing ID #:	320-2E	BFP Type:	RP
Manufacturer:	Watts	Model:	909 MOD	Manufacturer:	Watts	Model:	009
Size:	.75"	Serial #:	23719	Size:	1.5"	Serial:	72718
Hazard Level:	High	CC Type:	Both	Hazard Level:	High	CC Type:	Both
Equipment Status:	Installed Properly	Protection Type:	Isolation	Equipment Status:	Installed Properly	Protection Type:	Containment
Recommendation:				Recommendation:			
Comments:	Treated Boiler			Comments:	Containment Assembly		
	I .				1		





2.2.15 BLDG. 322 - Munitions

Location:	Boiler Room #303		
Existing ID #:	322-2E	BFP Type:	RP
Manufacturer:	Apollo/Conbraco	Model:	40204A2
Size:	.75"	Serial #:	Y7518
Hazard Level:	High	CC Type:	Both
Equipment Status:	Installed Properly	Protection Type:	Isolation
Recommendation:			
Comments:	Treated Boiler		



2.2.16 BLDG. 410 - CE

Location:	Garage			Location:	Pump Room #127		
Existing ID #:	410-1E	BFP Type:	RP	Existing ID #:	410-14E	BFP Type:	DCV
Manufacturer:	Watts	Model:	909 MOD	Manufacturer:	Watts	Model:	709
Size:	3"	Serial #:	163136	Size:	8"	Serial:	N/A
Hazard Level:	High	CC Type:	Both	Hazard Level:	Low	CC Type:	Both
Equipment Status:	Installed Properly	Protection Type:	Containment	Equipment Status:	Installed Properly	Protection Type:	Containment
Recommendation:							
Comments:	Containment Assem	Containment Assembly at Water Meter			Fire Protection System		





2.2.17 BLDG. 430 - RPA/ISRG

Location:	Pump Room	Pump Room			Mechanical Room #1902		
Existing ID #:	430-1E	BFP Type:	RP	Existing ID #:	430-2E	BFP Type:	RP
Manufacturer:	Watts	Model:	709	Manufacturer:	Watts	Model:	957
Size:	8"	Serial #:	625092	Size:	3"	Serial:	OK0462
Hazard Level:	Low	CC Type:	Both	Hazard Level:	High	CC Type:	Both
Equipment Status:	Installed Properly	Protection Type:	Containment	Equipment Status:	Installed Properly	Protection Type:	Containment
Recommendation:				Recommendation:			
Comments:	Fire Protection System			Comments:	Containment Assembly at Water Meter		





BLDG. 430 - RPA/ISRG

Location:	Mechanical Room #	Mechanical Room #1902			Mechanical Room #1902		
Existing ID #:	430-3E	BFP Type:	RP	Existing ID #:	430-4E	BFP Type:	RP
Manufacturer:	Watts	Model:	LF009M3QT	Manufacturer:	Watts	Model:	LF009M3QT
Size:	.75"	Serial #:	61648	Size:	1.5"	Serial:	33161
Hazard Level:	High	CC Type:	Both	Hazard Level:	High	CC Type:	Both
Equipment Status:	Installed Properly	Protection Type:	Isolation	Equipment Status:	Installed Properly	Protection Type:	Isolation
Recommendation:				Recommendation:			
Comments:	Glycol Tank Make-U	Jp for Cooling Tower		Comments:	Cooling Tower Make	e-Up	
	l			+	l		





BLDG. 430 - RPA/ISRG

Location:	Mechanical Room #1902					
Existing ID #:	430-5E	BFP Type:	RP			
Manufacturer:	Watts	Model:	LF009M3QT			
Size:	.5"	Serial #:	94538			
Hazard Level:	High	CC Type:	Both			
Equipment Status:	Installed Properly	Protection Type:	Isolation			
Recommendation:						
Comments:	Humidifier Make-Սր)				



2.2.18 BLDG. 440 - LRS

Location:	Location: Water Meter in Sprinkler Room			Location:	Fire Pump Room #158		
Existing ID #:	440-1E	BFP Type:	RP	Existing ID #:	440-2E	BFP Type:	DCDA
Manufacturer:	Watts	Model:	909	Manufacturer:	Watts	Model:	757DCDA
Size:	1.5"	Serial #:	327609	Size:	6"	Serial:	PE0447
Hazard Level:	High	CC Type:	Both	Hazard Level:	Low	CC Type:	Both
Equipment Status:	Installed Properly	Protection Type:	Containment	Equipment Status:	Installed Properly	Protection Type:	Containment
Recommendation:				Recommendation:			
Comments:	Containment Assem	nbly		Comments:	Fire Protection Syste	em	





BLDG. 440 - LRS

Location:	Fire Pump Room #158						
Existing ID #:	440-3E	BFP Type:	DCV				
Manufacturer:	Watts	Model:	007M3QT				
Size:	.75	Serial #:	210818				
Hazard Level:	Low	CC Type:	Both				
Equipment Status:	Installed Properly	Protection Type:	Containment				
Recommendation:							
Comments:	Fire Protection Dete	ector Assembly					



2.3 REQUIRED CORRECTIVE ACTIONS

There are presently **fifty-four (54)** existing cross connections that require additional protection or piping modification to properly protect the potable water supply. To assist facility personnel with locating required corrective actions, a "Required Corrective Actions List" has been included noting device locations and information.

132D Wing - Recommendations

									•		
					Cross-						
Facility		Device		Protection	Connection		Device			Equipment	
Number	Facility Name	Number	Hazard Level	Туре	Туре	Location	Type	Size	Recommendation	Status	Comments
DI DO 400		400.00	High -			2 1 2 1122			Install Hose Bibb Vacuum Breaker (ASSE		= 1 (61 61
BLDG. 100	WING	100-2R	Contaminant	Isolation	Backsiphonage	Boiler Room #130	HBVB	0.75	#1011)	Install Required	Hose Threads of Slop Sink
									Remove Valved Wye Connection From Hose		Slop Sink - Supplies Soap Dispenser Through a Valved Wye Connection - No Valves Allowed Downstream of Vacuum Breaker
			High -			Hallway Outside of Boiler Room			Threads of Slop Sink and Install Water		ASSE 1001 or ASSE 1011 - Tee Will Supply Valved Wye and Soap
BLDG. 100	WING	100-7R	Contaminant	Isolation	Both	#130	Install		Wasting Tee	Install Required	Dispenser
			High -						Install Reduced Pressure Backflow		Supply to Fire Protection system in Pump Room #148 - Replaces
BLDG. 100	WING	100-12R	Contaminant	Containment	Both	Pump Room #148	RP	8	Prevention Assembly (ASSE #1013)	Install Required	Inappropriate Existing DCV Due to Foam System
			High -						Install Hose Bibb Vacuum Breaker (ASSE		
BLDG. 100	WING	100-13R	Contaminant	Isolation	Backsiphonage	West Hangar Next to Eyewash	HBVB	0.75	#1011)	Install Required	Hose Threads of Hot Water Hose Bibb
			High -						Install Hose Bibb Vacuum Breaker (ASSE		
BLDG. 100	WING	100-14R	Contaminant	Isolation	Backsiphonage	West Hangar Next to Eyewash	HBVB	0.75	#1011)	Install Required	Hose Threads of Cold Water Hose Bibb
DI DO 400		400 450	High -						Install Hose Bibb Vacuum Breaker (ASSE		Hose Threads of Hot Water Hose Bibb (NOTE: Hose Bibb Vacuum
BLDG. 100	WING	100-15R	Contaminant	Isolation	Backsiphonage	Laundry Room	HBVB	0.75	#1011)	Install Required	Breakers Not Required if Washing Machine Installed)
BLDG. 100	WING	100-15R	High - Contaminant	Isolation	Backsiphonage	Laundry Room	HBVB	0.75	Install Hose Bibb Vacuum Breaker (ASSE #1011)	Install Required	Hose Threads of Cold Water Hose Bibb (NOTE: Hose Bibb Vacuum Breakers Not Required if Washing Machine Installed)
BLDG. 100	VVIIVG	100-13K	Contaminant	isolation	backsipiioiiage	Lauriury Room	почь	0.73	#1011)	ilistali kequileu	Slop Sink - Supplies Soap Dispenser Through a Valved Wye
									Remove Valved Wye Connection From Hose		Connection - No Valves Allowed Downstream of Vacuum Breaker
			High -						Threads of Slop Sink and Install Water		ASSE 1001 or ASSE 1011 - Tee Will Supply Valved Wye and Soap
BLDG. 100	WING	100-22R	Contaminant	Isolation	Both	Janitor's Room #221	Install		Wasting Tee	Install Required	Dispenser
			High -						Install Hose Bibb Vacuum Breaker (ASSE		
BLDG. 100	WING	100-23R	Contaminant	Isolation	Backsiphonage	Janitor's Room #221	HBVB	0.75	#1011)	Install Required	Hose Threads of Hot Water Hose Bibb
			High -						Install Hose Bibb Vacuum Breaker (ASSE		
BLDG. 100	WING	100-24R	Contaminant	Isolation	Backsiphonage	Janitor's Room #221	HBVB	0.75	#1011)	Install Required	Hose Threads of Hot Water Hose Bibb
BLDG, 101	CST	101-4R	High -	Isolation	Da aliainh ann an	North Bay (This Part of Building	HBVB	0.75	Install Hose Bibb Vacuum Breaker (ASSE	Install Required	Hose Bibb
BLDG. 101	CSI	101-4K	Contaminant High -	isolation	Backsiphonage	Soon to be Demoed) Under Sink in Kitchen Along	пвув	0.75	#1011) Install Hose Bibb Vacuum Breaker (ASSE	instali Required	поѕе вірр
BLDG. 110	FSS/MEDICAL/DFAC	110-10R	Contaminant	Isolation	Backsiphonage	Perimeter Wall	HBVB	0.75	#1011)	Install Required	Hot Water Hose Bibb
			High -			Under Sink in Kitchen Along			Install Hose Bibb Vacuum Breaker (ASSE		
BLDG. 110	FSS/MEDICAL/DFAC	110-11R	Contaminant	Isolation	Backsiphonage	Perimeter Wall	HBVB	0.75	#1011)	Install Required	Cold Water Hose Bibb
			Low -						Install Dual Check with Intermediate Vent		
BLDG. 110	FSS/MEDICAL/DFAC	110-12R	Pollution	Isolation	Both	Kitchen	VDCV	0.75	(ASSE #1012)	Install Required	Supply to Steam Oven
			High -						Install Backflow Preventer for Beverage		
BLDG. 110	FSS/MEDICAL/DFAC	110-25R	Contaminant	Isolation	Both	Mess Hall	VMBP	0.375	Dispensing Equipment (ASSE #1022)	Install Required	Supply to Soda Fountain Carbonator (1 of 2)
BLDG. 110	FSS/MEDICAL/DFAC	110-26R	Low -	Isolation	Both	Mass Hall	VMBP	0.275	Install Backflow Preventer for Beverage	Install Deguired	Supply to Bloomfield Coffee Maker - or Provide Documentation
BLDG. 110	F35/IVIEDICAL/DFAC	110-20K	Pollution High -	Isolation	BOUT	Mess Hall	VIVIDP	0.375	Dispensing Equipment (ASSE #1022) Install Backflow Preventer for Beverage	Install Required	of Internal Approved Backflow Prevention
BLDG. 110	FSS/MEDICAL/DFAC	110-27R	Contaminant	Isolation	Both	Mess Hall	VMBP	0.375	Dispensing Equipment (ASSE #1022)	Install Required	Supply to Soda Fountain Carbonator (2 of 2)
											Slop Sink - Supplies Soap Dispenser Through a Valved Wye
									Remove Valved Wye Connection From Hose		Connection - No Valves Allowed Downstream of Vacuum Breaker
			High -						Threads of Slop Sink and Install Water		ASSE 1001 or ASSE 1011 - Tee Will Supply Valved Wye and Soap
BLDG. 110	FSS/MEDICAL/DFAC	110-30R	Contaminant	Isolation	Both	Janitor's Closet	Install		Wasting Tee	Install Required	Dispenser
											Slop Sink - Supplies Soap Dispenser Through a Valved Wye
			111-6						Remove Valved Wye Connection From Hose		Connection - No Valves Allowed Downstream of Vacuum Breaker
BLDG. 110	FSS/MEDICAL/DFAC	110-35R	High - Contaminant	Isolation	Both	Janitor's Closet #123	Install		Threads of Slop Sink and Install Water Wasting Tee	Install Required	ASSE 1001 or ASSE 1011 - Tee Will Supply Valved Wye and Soap Dispenser
5250.110	. 33, WIEDICKLY DI AC	110 331	Contaminant	.551411011	5501	33 3 610361 #123	instan		Tradeing rec	stan nequired	Slop Sink - Supplies Soap Dispenser Through a Valved Wye
									Remove Valved Wye Connection From Hose		Connection - No Valves Allowed Downstream of Vacuum Breaker
			High -						Threads of Slop Sink and Install Water		ASSE 1001 or ASSE 1011 - Tee Will Supply Valved Wye and Soap
BLDG. 124	TTF	124-3R	Contaminant	Isolation	Both	Janitor's Closet #236	Install		Wasting Tee	Install Required	Dispenser
			High -						Install Hose Bibb Vacuum Breaker (ASSE		
BLDG. 124	TTF	124-11R	Contaminant	Isolation	Backsiphonage	Men's Locker Room #130	HBVB	0.75	#1011)	Install Required	Hose Bibb in Shower

Facility Number	Facility Name	Device Number	Hazard Level	Protection Type	Cross- Connection Type	Location	Device Type	Size	Recommendation	Equipment Status	Comments
			High -						Install Reduced Pressure Backflow		
BLDG. 125	CIVIL AIR PATROL	125-3R	Contaminant	Isolation	Both	Boiler Room #109A	RP	0.75	Prevention Assembly (ASSE #1013) Replace Existing Inappropriate DCV (#1015)	Install Required	Supply to Compressed Air Piping
BLDG. 125	CIVIL AIR PATROL	125-8R	High - Contaminant	Containment	Both	Pump Room #101	RP	6	with RP (ASSE #1013) Due to Foam Fire Protection System	Repair/Replace	Fire Protection System - or Disconnect Chemical Foam Tanks (Tanks are Empty and Not in Use)
BLDG. 125	CIVIL AIR PATROL	125-22R	High - Contaminant	Isolation	Both	Janitor's Closet #104B	Install		Remove Valved Wye Connection From Hose Threads of Slop Sink and Install Water Wasting Tee	Install Required	Slop Sink - Supplies Soap Dispenser Through a Valved Wye Connection - No Valves Allowed Downstream of Vacuum Breaker ASSE 1001 or ASSE 1011 - Tee Will Supply Valved Wye and Soap Dispenser
BLDG. 132	ВХ	132-3R	High - Contaminant	Isolation	Both	Restroom #108	Install		Remove Valved Wye Connection From Hose Threads of Slop Sink and Install Water Wasting Tee	Install Required	Slop Sink - Supplies Soap Dispenser Through a Valved Wye Connection - No Valves Allowed Downstream of Vacuum Breaker ASSE 1001 or ASSE 1011 - Tee Will Supply Valved Wye and Soap Dispenser
BLDG. 132	ВХ	132-7R	High - Contaminant	Isolation	Both	Retail Store Restroom	Install		Remove Valved Wye Connection From Hose Threads of Slop Sink and Install Water Wasting Tee	Install Required	Slop Sink - Supplies Soap Dispenser Through a Valved Wye Connection - No Valves Allowed Downstream of Vacuum Breaker ASSE 1001 or ASSE 1011 - Tee Will Supply Valved Wye and Soap Dispenser
BLDG. 160	ARMY	160-9R	High - Contaminant	Isolation	Both	Janitor's Closet #128	Install		Remove Valved Wye Connection From Hose Threads of Slop Sink and Install Water Wasting Tee	Install Required	Slop Sink - Supplies Soap Dispenser Through a Valved Wye Connection - No Valves Allowed Downstream of Vacuum Breaker ASSE 1001 or ASSE 1011 - Tee Will Supply Valved Wye and Soap Dispenser
			High -						Install Anti-Frost Hose Bibb Vacuum Breaker		
BLDG. 160	ARMY	160-15R	Contaminant High -	Isolation	Backsiphonage	East Wall	AFHBVB	0.75	(ASSE #1011, Watts NF8 or Equal) Remove Valved Wye Connection From Hose Threads of Slop Sink and Install Water	Install Required	Outside Hose Bibb Slop Sink - Supplies Soap Dispenser Through a Valved Wye Connection - No Valves Allowed Downstream of Vacuum Breaker ASSE 1001 or ASSE 1011 - Tee Will Supply Valved Wye and Soap
BLDG. 180	DTOC	180-3R	Contaminant High -	Isolation	Both	Janitor's Room #164 Janitor's Closet Across From	Install		Wasting Tee Remove Valved Wye Connection From Hose Threads of Slop Sink and Install Water	Install Required	Dispenser Slop Sink - Supplies Soap Dispenser Through a Valved Wye Connection - No Valves Allowed Downstream of Vacuum Breaker ASSE 1001 or ASSE 1011 - Tee Will Supply Valved Wye and Soap
BLDG. 180	DTOC	180-6R	Contaminant	Isolation	Both	Vending/Break Room	Install		Wasting Tee	Install Required	Dispenser
BLDG. 180	DTOC	180-19R	Low - Pollution	Isolation	Both	Mechanical Room #114	Label		Label Piping Downstream of RP as "Non- Potable Water"	Other	Piping Downstream of Existing RP is Mislabeled as Domestic Cold Water" in Multiple Places
BLDG. 231	CHAPEL	231-3R	High - Contaminant	Isolation	Both	Janitor's Closet #115	Install		Remove Valved Wye Connection From Hose Threads of Slop Sink and Install Water Wasting Tee	Install Required	Slop Sink - Supplies Soap Dispenser Through a Valved Wye Connection - No Valves Allowed Downstream of Vacuum Breaker ASSE 1001 or ASSE 1011 - Tee Will Supply Valved Wye and Soap Dispenser
			High -						Remove Valved Wye Connection From Hose Threads of Slop Sink and Install Water		Slop Sink - Supplies Soap Dispenser Through a Valved Wye Connection - No Valves Allowed Downstream of Vacuum Breaker ASSE 1001 or ASSE 1011 - Tee Will Supply Valved Wye and Soap
BLDG. 240	COMM	240-8R	Contaminant	Isolation	Both	1st floor Janitor's Closet	Install		Wasting Tee	Install Required	Dispenser Slop Sink - Supplies Soap Dispenser Through a Valved Wye
D. D. D. D.		240 420	High -						Remove Valved Wye Connection From Hose Threads of Slop Sink and Install Water		Connection - No Valves Allowed Downstream of Vacuum Breaker ASSE 1001 or ASSE 1011 - Tee Will Supply Valved Wye and Soap
BLDG. 240	СОММ	240-13R	Contaminant High -	Isolation	Both	2nd floor Janitor's Closet	Install		Wasting Tee Remove Valved Wye Connection From Hose Threads of Slop Sink and Install Water	Install Required	Dispenser Slop Sink - Supplies Soap Dispenser Through a Valved Wye Connection - No Valves Allowed Downstream of Vacuum Breaker ASSE 1001 or ASSE 1011 - Tee Will Supply Valved Wye and Soap
BLDG. 300	SECURITY	300-8R	Contaminant	Isolation	Both	Janitor's Closet #151	Install		Wasting Tee	Install Required	Dispenser
BLDG. 300	SECURITY	300-15R	High - Contaminant	Isolation	Both	Men's Restroom Janitor's Closet #133	Install		Remove Valved Wye Connection From Hose Threads of Slop Sink and Install Water Wasting Tee	Install Required	Slop Sink - Supplies Soap Dispenser Through a Valved Wye Connection - No Valves Allowed Downstream of Vacuum Breaker ASSE 1001 or ASSE 1011 - Tee Will Supply Valved Wye and Soap Dispenser
BLDG. 314	ALERT HANGER	314-1R	High - Contaminant	Isolation	Backsiphonage	Next to Eyewash	HBVB	0.75	Install Hose Bibb Vacuum Breaker (ASSE #1011)	Install Required	Each Side of Valved Wye Splitter on Hose Bibb - or Permanently Remove Valved Wye Splitter and Install Hose Bibb Vacuum Breaker (ASSE #1011) on Hose Bibb
BLUG. 314	ALEKT HANGEK	314-1K	Contaminant	ISUIdLION	васкырпопаge	ivext to EyewaSN	прув	0.75	#1011)	mstan kequired	DIEGVET (MODE #1011) OII LIONG RIDD

							Cross-					
		Equipment			Device		Connection	Protection		Device		Facility
Comments	Com	Status	Recommendation Bibb Vacuum Breaker (ASSE	Install He	Туре	Location	Туре	Туре	Hazard Level	Number	Facility Name	Number
er	Hose Bibb at Water Meter	Install Required	BIDD Vacuum Breaker (ASSE		HBVB (Mechanical Room	Backsiphonage	Isolation	High - Contaminant	315-2R	ALERT HANGAR	BLDG. 315
Dispenser Through a Valved Wye												
Allowed Downstream of Vacuum Breaker			lved WYE Connection From Hose	Remove								
- Tee Will Supply Valved Wye and Soap			Slop Sink and Install Water						High -			
OTE 0 ''' 11 1 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Dispenser	Install Required	e	Wasting	Install	Janitor's Closet #105	Both	Isolation	Contaminant	315-5R	ALERT HANGAR	BLDG. 315
OTE: Critical Level of Atmospheric e Installed at Least 6" Above all			ospheric Vacuum Breaker (ASSE	Install At					High -			
	Downstream Piping with NO Val	Install Required	ospileric vacuum breaker (ASSE	#1001)	AVB (Hangar Outside of Room 109	Backsiphonage	Isolation	Contaminant	316-7R	ALERT HANGAR	BLDG. 315
nection - Replaces Inappropriate Existing		motan neganica	iced Pressure Backflow		7.00	Transpar Gardiae of Room 103	Bucksipironage	isolution	High -	510 711	/ LEIN III WOO W	5250.525
	Atmospheric Vacuum Breaker	Install Required	Assembly (ASSE #1013)		RP 2	North Wall of Hangar	Backsiphonage	Isolation	Contaminant	315-13R	ALERT HANGAR	BLDG. 315
nection - Replaces Inappropriate Existing			iced Pressure Backflow						High -			
aker	Atmospheric Vacuum Breaker	Install Required	Assembly (ASSE #1013)		RP 2	South Wall of Hangar		Isolation	Contaminant	315-14R	ALERT HANGAR	BLDG. 315
			Bibb Vacuum Breaker (ASSE			North East Corner of Boiler			High -			
Provide Documentation of Internal	Hose Bibb at North East Corner	Install Required	flow Preventer for Beverage		HBVB (Room	Backsiphonage	Isolation	Contaminant	316-4R	HEATING PLANT &	BLDG. 316
	Approved Backflow Prevention	Install Required	Equipment (ASSE #1022)		VMBP (Trailer #316B	Backsiphonage	Isolation	Low - Pollution	316-10R	HEATING PLANT &	BLDG. 316
	Approved Backness Frevention	motan neganica	iced Pressure Backflow		7.7.5.	Tranci no 100	Bucksipiloliage	isolution	High -	510 1011	nemore and a	5250.520
plying Power Washer	Supply to Hose Bibb Supplying P	Install Required	Assembly (ASSE #1013)		RP (Drive Thru Maintenance Area	Both	Isolation	Contaminant	320-7R	MUNITIONS ADMIN	BLDG. 320
Dispenser Through a Valved Wye	Slop Sink - Supplies Soap Dispen											
Allowed Downstream of Vacuum Breaker			lved Wye Connection From Hose									
- Tee Will Supply Valved Wye and Soap		In shall Described	Slop Sink and Install Water		la stall	In with only Classes	D-4h	la alatia a	High -	220 440	MALINITIONIC ADMINI	DI DC 220
ocumentation of Proper Internal	Dispenser	Install Required	flow Preventer for Beverage	Wasting	Install	Janitor's Closet	Both	Isolation	Contaminant High -	320-11R	MUNITIONS ADMIN	BLDG. 320
ocumentation of Proper Internal	Backflow Prevention	Install Required	Equipment (ASSE #1022)		VMBP (Break Room #110	Both	Isolation	Contaminant	410-5R	CE	BLDG. 410
Dispenser Through a Valved Wye		motan neganica	Equipment (7.652 #1022)	Бізренія	7.1.15.	D. C.	500.	isolation	Contaminant	120 511	- CL	5250. 120
Allowed Downstream of Vacuum Breaker	Connection - No Valves Allowed		lved Wye Connection From Hose	Remove								
- Tee Will Supply Valved Wye and Soap			Slop Sink and Install Water						High -			
	Dispenser	Install Required	e	Wasting	AVB (Janitor's Closet #108	Both	Isolation	Contaminant	410-6E	CE	BLDG. 410
Dispenser Through a Valved Wye Allowed Downstream of Vacuum Breaker			lved Wye Connection From Hose	Domesia								
- Tee Will Supply Valved Wye and Soap			Slop Sink and Install Water						High -			
ree wiii sappiy valvea vvye ana soap	Dispenser	Install Required	•	Wasting	Install	Janitor's Closet #108	Both	Isolation	Contaminant	410-8R	CE	BLDG. 410
	•	·	Bibb Vacuum Breaker (ASSE	Install Ho					High -			
er	Hose Bibb at Water Meter	Install Required		#1011)	HBVB (Garage	Backsiphonage	Isolation	Contaminant	410-9R	CE	BLDG. 410
			Bibb Vacuum Breaker (ASSE			_			High -			
	Hose Bibb at Water Meter	Install Required		#1011)	HBVB (Garage	Backsiphonage	Isolation	Contaminant	410-10R	CE	BLDG. 410
Dispenser Through a Valved Wye			lund Wun Connection From Hose	Pomovo								
- Tee Will Supply Valved Wye and Soap									High -			
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Dispenser	Install Required	•	Wasting	Install	Janitor's Closet #1032	Both	Isolation	Contaminant	430-12R	RPA/ISRG	BLDG. 430
Dispenser Through a Valved Wye												
Allowed Downstream of Vacuum Breaker			lved Wye Connection From Hose									
- Tee Will Supply Valved Wye and Soap		Install Poquired	•		Inctall	Innitor's Closet #2002	Poth	Isolation		420 16P	DDA /ISDG	DI DG 420
Dispenser Through a Valved Wve	•	mstan kequired	е	vvasting	mstdii	Janitor's Cluset #2002	DUUI	ISUIdLIUII	CONTAININAUL	43U-10K	NEWISKU	DLDG. 430
Allowed Downstream of Vacuum Breaker			lved Wve Connection From Hose	Remove								
- Tee Will Supply Valved Wye and Soap			Slop Sink and Install Water						High -			
·	Dispenser	Install Required	e	Wasting	Install	Janitor's Closet #138	Both	Isolation	Contaminant	440-30R	LRS	BLDG. 440
Allowed Downs - Tee Will Supp Dispenser Thr Allowed Downs - Tee Will Supp Dispenser Thr Allowed Downs	Connection - No Valves Allowed ASSE 1001 or ASSE 1011 - Tee W Dispenser Slop Sink - Supplies Soap Dispen Connection - No Valves Allowed ASSE 1001 or ASSE 1011 - Tee W Dispenser Slop Sink - Supplies Soap Dispen Connection - No Valves Allowed	Install Required Install Required	lved Wye Connection From Hose Slop Sink and Install Water e lved Wye Connection From Hose	Threads Wasting Remove Threads Wasting	Install	Janitor's Closet #1032 Janitor's Closet #2002		Isolation	High - Contaminant	430-12R 430-16R	RPA/ISRG RPA/ISRG	BLDG. 430

2.3.1 BLDG. 100 - Wing

Location:	Pump Room #148					
Existing ID #:	100-12R	BFP Type:	RP			
Manufacturer:		Model:				
Size:	8"	Serial #:				
Hazard Level:	High	CC Type:	Both			
Equipment Status:	Install Required	Protection Type:	Containment			
Recommendation:	Install Reduced Pressure Backflow Prevention Assembly (ASSE #1013)					
Comments:	• • •	ction system in Pump ate Existing DCV Due				



2.3.2 BLDG. 125 – Civil Air Patrol

Location:	Boiler Room #109A			Location:	Pump Room #101		
Existing ID #:	125-3R	BFP Type:	RP	Existing ID #:	125-8R	BFP Type:	RP
Manufacturer:		Model:		Manufacturer:		Model:	
Size:	.75"	Serial #:		Size:	6"	Serial:	
Hazard Level:	High	CC Type:	Both	Hazard Level:	High	CC Type:	Both
Equipment Status:	Install Required	Protection Type:	Isolation	Equipment Status:	Repair/Replace	Protection Type:	Containment
Recommendation:	Install Reduced Pres (ASSE #1013)	ssure Backflow Prevei	ntion Assembly	Recommendation:	Replace Existing Inappropriate DCV (#1015) with RPBP (ASSE #1013) Due to Foam Fire Protection System		
Comments:	Supply to Compress	ed Air Piping		Comments:	Fire Protection System - or Disconnect Chemical Foam Tanks (Tanks are Empty and Not in Use)		





2.3.3 BLDG. 315 - Alert Hangar

Location:	North Wall of Hang	North Wall of Hangar			South Wall of Hangar		
Existing ID #:	315-13R	BFP Type:	RP	Existing ID #:	315-14R	BFP Type:	RP
Manufacturer:		Model:		Manufacturer:		Model:	
Size:	2"	Serial #:		Size:	2"	Serial:	
Hazard Level:	High	CC Type:	Both	Hazard Level:	High	CC Type:	Both
Equipment Status:	Install Required	Protection Type:	Isolation	Equipment Status:	Install Required	Protection Type:	Isolation
Recommendation:	Install Reduced Pressure Backflow Prevention Assembly (ASSE #1013)			Recommendation:	Install Reduced Pressure Backflow Prevention Assembly (ASSE #1013)		
Comments:	Supply to Fire Hose Existing Atmospher	Connection - Replace ic Vacuum Breaker	s Inappropriate	Comments:	Supply to Fire Hose Connection - Replaces Inappropriate Existing Atmospheric Vacuum Breaker		





3.0 RECOMMENDATIONS

The recommendations listed below may require additional analysis if selected for implementation. HydroCorp is available to discuss in detail, any alternative that may be considered for possible implementation.

 Implement a program to address remaining unprotected cross connections. To comply with AFI 32-1067 guidelines, State and Local Codes, it is recommended that backflow prevention devices and assemblies be installed at the isolation level. HydroCorp recommends that steps be taken to conform to all applicable Codes. Backflow prevention devices required for installation are outlined in Recommended Corrective Actions, Section 2.3, of this report.

To ensure proper installation and operation, only certified individuals should complete installation and testing of backflow prevention assemblies. RP's, PVB's, SVB's, and DCV's must be tested **immediately** upon installation. Assemblies must be properly tagged, and the appropriate test forms completed.

2. **Continue with the on-going program.** Responsibilities should be determined and delegated to ensure that 1) the recommendations are implemented, 2) that all testable backflow prevention assemblies are properly tested as required, and 3) that the Backflow Prevention and Cross Connection Control Program is maintained on an on-going basis.

4.0 SUMMARY AND CERTIFICATION STATEMENT

SUMMARY

This report is a continuing step in the maintenance requirements of an ongoing Cross Connection Control program. Isolation and containment hazards have been addressed by this report. Containment protects the base potable water distribution system from hazards inside specific facilities, and isolation protection will protect personnel assigned to those facilities. The isolation issues should be addressed. An on-going organized program is needed to maintain a safe potable water system, and to protect individuals from possible water supply contamination.

CERTIFICATION STATEMENT

We certify that the data contained herein is factual. Any recommendations made are based upon our experience with Cross Connection Control* and our interpretation of the following as they apply to the individual circumstances:

Air Force Instruction 32-1067 LAC Title 51, Part XII International Plumbing Code American Water Works Association M-14 Manual Unified Facilities Criteria 3-601-02

David C. Cardinal, Vice President **HydroCorp**

^{*}To HydroCorp's knowledge, the information presented here is complete and accurate. Due to the inaccessible nature of the piping, 100% accurate data is not always available. To properly complete this project, HydroCorp has attempted to obtain complete and accurate data through field review and personnel interviews.

5.0 SUGGESTED ACTION PLAN

The following suggested action plan is not all inclusive of steps required for implementing and maintaining a Cross Connection Control program. The suggested action plan may be used as a starting point, and should be further developed to ensure all requirements for protection of the potable water distribution system are met, and that a complete on-going Cross Connection Control program is developed and/or maintained.

- 1. Base Personnel must determine and verify final recommendations and action plan.
- 2. Develop schedule and delegate responsibilities.
- 3. Conduct research, including flow analysis where needed, to determine final recommendations and requirements.
- 4. Obtain the appropriate devices to be installed for isolation protection at unprotected locations.
- 5. Have required isolation devices installed at all unprotected locations.
- 6. Test all newly installed devices that require testing.
- 7. Maintain an annual testing and maintenance program for backflow prevention devices.
- 8. Maintain a survey schedule ensuring all facilities are surveyed at a minimum once every five years.

APPENDIX A

A.1 GENERAL INFORMATION - PROGRAM IMPLEMENTATION

Pressure Loss

Pressure loss is inherent in the design of all backflow prevention devices. Prior to installation of any backflow prevention device, the water volume and pressures required to properly operate a system should be analyzed to ensure that problems would not be incurred from the installation of backflow prevention devices.

Thermal Expansion

Installation of backflow prevention devices may prevent release of increased pressure due to thermal expansion. It is important that temperature/pressure relief valves, expansion tanks, or other equipment be properly installed, and/or accommodations made where required, to relieve any increases in pressure within the piping system.

Installation Configuration - Assembly Valve Location

Shut off valves immediately adjacent to Reduced Pressure, Double Check, and Pressure Vacuum Breaker Devices are required as part of the assembly. Shut off valves are not to be placed downstream of Atmospheric or Hose Bibb type vacuum breakers. All manufacturer and authority rules regarding proper installation of devices must be followed to ensure proper operation.

Tester Qualifications

Backflow prevention assembly testers must have attended and passed an approved tester course for his/her geographic area of operations. All testers should have applied to, and be recognized by, the state and/or local authority. State and local codes may also dictate other tester qualifications.

Testing/Repair Requirements

Assembly testing certifies that a backflow prevention assembly is functioning properly. Testing is required <u>immediately</u> after installation, after repair or relocation and at a minimum, on a yearly basis thereafter.

Pipe Labeling and Identification

All piping and outlets downstream of any isolation backflow prevention device must be appropriately labeled. Any water outlets downstream of a device must be identified to prevent individuals from using it as a potable source. Most plumbing codes and OSHA 1910.141 requires labeling of all piping systems to minimize the potential for backflow or backsiphonage into the potable water system.

Critical Water Supplies

Normal backflow prevention assembly testing and repair work will require an interruption in the supply of water from the device. Where the water supply through a given device is critical to a facility or a process operation, it is recommended that devices be installed in a parallel configuration. Parallel installations will allow the continued flow of water to equipment during testing and/or repairs to one of the devices.

Strainers

Incoming water may possess debris or other foreign matter. Foreign matter may foul internal components of backflow prevention devices resulting in leaking and/or failure. It may be beneficial to install a strainer prior to devices to decrease the likelihood of failure. Note that the strainer causes additional pressure loss and will require regular maintenance. To complete maintenance, an additional valve prior to the strainer and a blow off port may be needed. Since a blow off port offers another cross connection hazard, proper precautions must be taken.

Device Spitting

Spitting may occur on reduced pressure backflow preventers, pressure vacuum breakers and other devices with openings to the atmosphere. Devices must be installed so that spitting will not cause a hazard or damage to the facility. If spitting occurs, consult manufacturers troubleshooting procedures to try to determine cause.

Draining/Dumping

Drain piping and a funnel should be attached to the relief ports of reduced pressure backflow preventers. The drains must be appropriately sized to handle maximum flow. Drain outlets should be routed as required and as dictated by code. Devices should not be installed where excessive drainage or splashing will cause damage and/or a hazard.

Device Locations

Devices are not to be installed in areas where they will be subjected to freezing or flooding, unless specifically accepted by code and manufacturer specification. Backflow prevention devices should never be installed over or near electrical panels, motors etc. All devices must be provided ready access for testing and maintenance.

Fire Systems

Device installations and system alterations must be in accordance with applicable codes. O, S & Y gate valves must be used unless specifically accepted by code as otherwise. All fire system alterations must be reviewed and analyzed to ensure proper performance.

A.2 REPORT INFORMATION

A.2.1 DEVICE LEGENDS/ABBREVIATIONS

HYDRO CORP DEVICE LEGEND/ABBREVIATIONS								
Acronym	Legend	A.S.S.E. Standard	Testable Device					
AFHBVB	Anti-Frost Hose Bibb Vacuum Breaker	1019/1011	No					
AG	Air Gap	NA	No					
AGD	Air Gap Device	NA	No					
ASBC	Anti-Siphon Ball Cock	1002	No					
AVB	Atmospheric Vacuum Breaker	1001	No					
CAP	Device and/or piping requires a cap	NA	NA					
DC	Dual Check	1024	No					
DCV	Double Check Valve Assembly	1015	Yes					
DCDA	Double Check Detector Assembly	1048	Yes					
ET	Expansion Tank	NA	NA					
FAUCET	Faucet	NA	NA					
FVB	Fixture Vacuum Breaker	1001	No					
НА	Hammer Arrester	1010	NA					
НВ	Hose Bibb	NA	NA					
HBIVB	Hose Bibb w/Integrated Vacuum Breaker	1011	No					
HBVB	Hose Bibb Vacuum Breaker	1011	No					
НСВР	Hose Connection Backflow Preventer	1052	Yes					
LABEL	Pipe requires labeling	NA	NA					
LFDC	Lab Faucet Dual Check	NA	No					
LFVB	Lab Faucet Vacuum Breaker	1035	No					
PLUG	Device and/or piping requires a plug	NA	NA					
PVB	Pressure Vacuum Breaker	1020	Yes					
REMOVE	Device removal required	NA	NA					
REPAIR	Device is in need of repair	NA	NA					
REPLACE	Requires replacement	NA	NA					
REPLUMB	Requires relocation and/or new piping	NA	NA					
RP	Reduced Pressure Backflow Preventer Assembly	1013	Yes					
RPDA	Reduced Pressure Detector Assembly	1047	Yes					
SC	Single Check Valve	NA	No					
SVB	Spill Resistant Vacuum Breaker	1056	Yes					
VDCV	Vented Dual Check Valve	1012	No					
VMBP	Vending Machine Backflow Preventer	1022	No					
	ABBREVIATIONS LEGEND							
ILGBLE	Illegible							
INACC	Inaccessible							
NA	Not Available							
OTHER	Other (Not a typical manu	facturer)						

A.2.1.2 CCC SURVEY RESULTS LIST INFORMATION

Section 2.1 of the report list all existing backflow prevention devices and required corrective actions identified during the survey. See Section 8.0 for a listing of only testable backflow prevention devices. Various fields in the tables include the following information:

HEADING

FIELD INFORMATION

FACILITY NUMBER:

Column notes the building number in which the existing device is found.

FACILITY NAME:

Column notes the building name and/or occupant according to records provided.

DEVICE NUMBER:

Column notes the ID# HydroCorp assigned to an Existing Backflow Prevention Method or Required Corrective Action. These numbers are populated in the order the cross connection/method was discovered beginning with 1. Existing Methods are annotated with the letter "E", Corrective Actions are annotated with the letter "R" (i.e. 1R, 2E, etc....)

HAZARD LEVEL:

Column notes the degree of hazard assigned to the cross connection. High-Contaminant indicates a Health Hazard. Low-Pollution indicates a non-health hazard.

PROTECTION TYPE:

Column notes the type of existing and/or required protection required. "Isolation" refers to point of use, or fixture protection and "Containment" refers to service line protection.

CROSS CONNECTION TYPE:

Column notes the type of cross connection/potential backflow. Backsiphonage is a means of backflow created by a drop in atmospheric pressure in a piping system. Backpressure is a means of backflow created by downstream pressure becoming greater than supply pressure. "Both" would indicate the cross connection is subject to both backpressure and backsiphonage.

LOCATION:

Column notes the location within the building or on the property where the cross connection exists.

DEVICE TYPE:

Column notes the type of existing or required backflow prevention method for a cross connection.

MANUFACTURER:

Column notes the manufacturer of an existing backflow prevention device/assembly for a cross connection.

MODEL:

Column notes the manufacturers' model number of an existing backflow prevention device/assembly.

SIZE:

Column notes the size of the supply pipe to associated with the cross connection.

SERIAL NUMBER:

Column notes the serial number of an existing backflow prevention device/assembly

RECOMMENDATION:

Column notes the type of required corrective action for an existing unprotected cross connection.

STATUS:

Column notes the status of a particular cross connection.

COMMENTS:

Column notes a description of the location of an existing backflow prevention method and/or a unprotected cross connection that requires corrective action.