Department of Resource Management Environmental Health Services 675 Texas Street, Suite 5500 Fairfield, CA 94533-6342

RECEIVED

JAN 21 2020

COUNTY OF SOLANO RESOURCE MANAGEMENT

Attention: Bill Emlen, Director of the Department of Resource Management

In response to the March 19, 2019 letter from Karen Avery on File-U-19-03 Mankas Corner that I previously submitted May 2019, the following represents the requested information which has been updated to reflect current conditions:

# **Project Description**

The Filling Station: A tasting room offering locals and visitors wine and beer made locally as well as from the surrounding wine country. Owner Wendy De Coito showcases the smaller, artisan winemakers and grape growers at the tasting room providing a venue for those without a tasting room of their own to meet the locals and talk about their product. In most cases, The Filling Station may be the only place that some of these varietals are even available. The beer offerings include Benicia based Bruehol Brewing on tap and bottles or cans of local breweries. Non-alcoholic offerings include a variety of local farm items such as jams, jellies, olive oil and souvenirs such as hats, t-shirts, and glasses.

Employees: The owner is the only employee.

Suisun Valley Antiques/John's Hauling: John's Hauling is a family-owned and operated company serving all of Solano County and the surrounding areas. John's Hauling serves homeowners, commercial and residential property managers, contractors, realtors, business owners, and anyone else looking for fast, affordable hauling. Suisun Valley Antiques & Collectibles has an eclectic selection of just about any type of antique imaginable - period furniture and antiques, vintage bicycles, jewelry, cameras, wooden windowpanes, wine bottles, garden tools, bar signs, and even buttons. Store inventory comes from some of the haul jobs of foreclosed and abandoned homes or stores that have gone out of business as well as from purchases of pre-owned items that people no longer want or have space for in their homes.

Employees: There are four employees, the owner and three other family members.

Simply Savvy: Is a furniture studio that sells custom home furnishings and accessories. Whether the customer is looking for home accessories like lamps, bowls, and mirrors or larger furnishings like sofas, tables, and chairs owner Britt Newell helps them find the perfect piece. Local items offered include olive oil, candles and handmade wood signs.

Employees: There are two employees, the owner and one part time employee.

## **Hours of Operation**

Suisun Valley Antiques/John's Hauling's hours of operations: 9:00 am to 5:00 pm seven days a week. Once a month the tent sale is held Friday and Saturday from 9:00 am to 8:00 pm, and Sunday from 9:00 am to 4:00 pm.

The Filling Station's hours of operations: Monday and Tuesday closed; Wednesday and Thursday 11:30 am to 8:00 pm, Friday and Saturday 11:30 am to 9:00 pm, and Sunday 11:30 am to 8:00 pm.

Simply Savvy's hours of operations: Monday through Friday 10:00 am to 4:00 pm.

# **Parking**

As provided on the Site Plan by Paul Friend that I submitted February 2019, there are 25 parking stalls measuring 9' x 18' and two parking spots for the apartment. I have provided another copy of the Site Plan for reference.

Trucks and trailers accessing the property are as follows: 1 Ford F250 pick up truck, 1 Ford F350 flat bed truck 8' x 16', 1 Ford F450 pick up truck, 1 7' x 16' flat bed trailer, 1 7' x 16' dump truck, and 1 6' x 12' dump truck that will on occasion be parked in the walled area at 4920 Clayton Road.

### **Public Restrooms**

Each business on the premises has a restroom facility available for the public as well as their employees. Simply Savvy has one restroom located inside their building. The Filling Station has one inside restroom attached to their building. In addition, at times of special events held at The Filling Station, the business owner rents portable toilets that are located adjacent the attached bathroom. Suisun Valley Antiques provides one portable toilet outside the back area of the shop. On an as needed basis, the attached bathroom at The Filling Station is also used.

#### Residential Use

The residential apartment is 3 bedrooms, 1 bathroom and approximately 800 square foot. The apartment has two assigned parking spots which is separated from the other parking and can be viewed on the Site Plan that is attached and was submitted February 2019.

## Site Plan

The Site Plan that was submitted February 2019, and is attached for reference, provided structures and square footage. In addition to the Site Plan, I have also included an aerial photo of parcels 0154-140-050 and 0154-140-060. Suisun Valley Antiques/John's Hauling currently is the only business accessing parcel 0154-140-060. There is one permanent structure located on the parcel that measures 30' x 40'. Activity on the parcel has been limited to storage and parking for the hauling trucks.

# Signage

Once the Use Permit has been finalized, I will submit the sign permit application.

## **Environmental Health Division Comments**

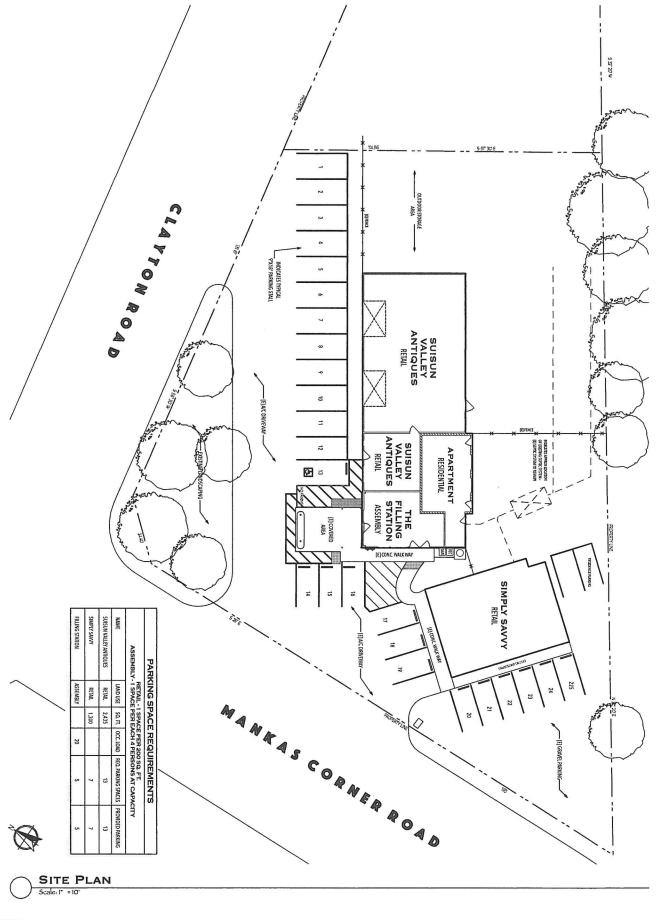
I have attached a copy of the correspondence that was mailed directly to the Environmental Health Division.

In closing, I am available to meet or discuss further any additional information that may be required.

Sincereil

April Russell

Attachments: Site Plan, Environmental Health Division correspondence, and aerial photo of parcels 0154-140-050 and 0154-140-060

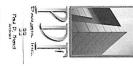






LAND USE PERMIT
FOR: APRIL RUSSEL, MERIDTH CARTER AND DIANE PAULSON
2525-2529 MANKAS CORNER ROAD FAIRFIELD CA, 94534





Department of Resource Management Environmental Health Services 675 Texas Street, Suite 5500 Fairfield, CA 94533-6342

Attention: Anthony Endow, Sr. Environmental Health Specialist

In response to your memorandum dated March 8, 2019 concerning Use Permit Application No. U-19-03 April Russell Mankas Corner, I am providing the following requested information that was previously provided May 2019:

- 1. The existing water supply is on one account/meter and provided by (SSWA). There is no new proposed water supply source being requested at this time.
- The existing sewage disposal system is a 1,500 gallon, concrete septic tank and 220 linear feet of 2 feet wide conventional leachfield as described on page 2 of the On-Site Wastewater Treatment System Site Evaluation Report as provided by Campi Engineering November 8, 2017 (attached for your review).
- 3. The residential dwelling onsite is a small 3-bedroom apartment, approximately 800 square feet.
- 4. At the time the use permit application was submitted February 21, 2019, there were 9 employees associated with the businesses onsite. Current employee count is 6 full time and 1 part time employee. The Filling Station has one employee, Simply Savvy has 1 full time and 1 part time employee, and Suisun Valley Antiques/John's Hauling has 4 full time employees.

If you require additional information, please don't hesitate to contact me.

Sincerely

April Russell

CC: Bill Emlen

Attachments: On-Site Wastewater Treatment System Site Evaluation Report by Campi

Engineering.

Phone: (707)864-5618

Fax: (707)864-5688

770 Lakeshore Court. Fairfield, CA 94534

# On-Site Wastewater Treatment System Site Evaluation Report

2525 Mankas Corner Road APN 0151-140-050

8 November 2017

**Project Scope** 

Campi Engineering has been retained to evaluate the parcel and determine if the existing sewage disposal system can serve a proposed boutique tasting facility.

Site Location and Description

The site is in Solano County at 2525 Mankas Corner Road (APN 0151-140-050). The property is developed as mixed residential/commercial with a 3-bedroom apartment, Simply Savvy (interior design studio), John's Hauling (antique sales) and the proposed Filling Station (wine tasting). The site is served by off-site water and an individual onsite wastewater treatment system.

# Field Evaluation

On 17 August 2017 Campi Engineering evaluated the property as well as a test pit, located just west of the existing leachfield. The property, located in the fertile soils of Suisun/Gordon Valley, is known for its well-drained soil. One soil profile test pit was excavated, logged and identified as T1 on plan sheets S1 and S2 in Attachment I: Plans.

The soils consist of well drained SANDY CLAY LOAM to at least 96 inches below existing grade. Please refer to Attachment II, Site Evaluation Data detailed field notes.

On 6 November 2017 a percolation test was performed in the replacement area. The following table describes the depth and results of the test.

Test Hole	Depth (in)	Result (in/hr)
P1	36	4.1
P2	36	24.5
P3	36	9
	Average @ 36 inches	12.5

The average permeability at 36 inches below grade is 12.5 in/hr. Please refer to Attachment II: Site Evaluation Data for the soil profile and percolation test logs.

Flow Rate				
2 bedrooms	x	150 gpd (gallons per day)/bedroom	=	300 gpd
John's Hauling (3 employees)	x	20 gpd/ employees	=	60 gpd
Simply Savvy (1 employee)	X	20 gpd/ employee	=	20 gpd
Filling Station (proposed)				
1 employee	X	20 gpd/ employee	=	20 gpd
25 visitors	X	3 gpd/visitor	=	75 gpd*
		Total	=	475 gpd
*New Construction min flow rate	is 450 g	pd		
		Adjusted Total	=	850 gpd

**Existing Onsite Wastewater Treatment System** 

The existing system consists of a 1,500 gallon, concrete septic tank and 220 linear feet of 2 feet wide conventional leachfield.

The existing system was inspected Frank's Septic Service on 7 January 2016. An evaluation of the tank, field and a hydraulic test was performed. No evidence of failure was noted at the time of inspection. Please see Attachment II for the inspection report.

**Disposal Field Capacity** 

The existing sewage disposal system consists of 220 linear feet of conventional leachfield and a 1,500 gallon, concrete septic tank.

Soil Permeability @ point of application (36 inches) = 12.5 in/hr
Soil Application Rate @ point of application = 1.086 gpd/ft²
(Solano County Code, Chapter 6.4, Table 6)
Soil Texture and Structure @ ½ vertical setback (66 inches) = SCL, mod-sbk
Soil Application Rate @ ½ vertical setback = 0.417 gpd/ft²
(Solano County Code, Chapter 6.4, Table 5)
Average application rate = 0.7515 gpd/ft²

850 gpd = 377 LF (0.7515 gpd/ft<sup>2</sup>)/3 gpd/LF

Actual leachline length is 420 linear feet. This provides a factor of safety of 1.11 and decreases the application rate to 0.6746 gpd/square feet.

The leachfield can easily accommodate the additional flow.

#### Reserve Area

Please see Attachment I: for a proposed reserve/replacement leachfield.

# **Hot Water Loading**

Facility will use

2 hand wash sinks

1 janitorial sink

1 3 compartment sink

1 glass ware washer (1 rack per hour @ .1 gal per load)

For facilities with single use or don't use utensils, a gas water heater with tank has a minimum required recovery rate of 53.6 gallons per hour at 29,765.9 BTU. See Attachment IV: Hot Water Requirements.

# Note

Campi Engineering provides no guarantee of continued operation of the existing onsite wastewater treatment system. When the existing system fails, we recommend replacement of the existing sewage disposal system in the area tested.

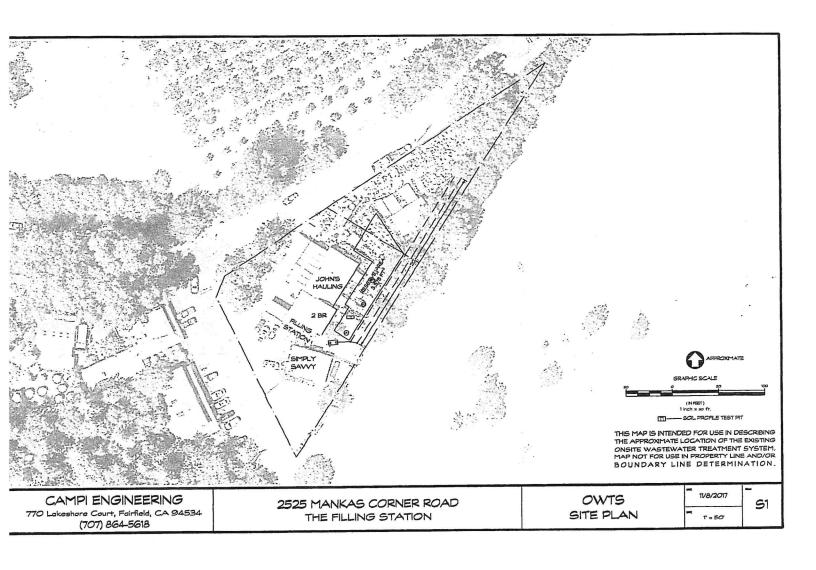
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James L. Campi, Jr., P.E.
R.C.E. #65518

If you have any questions, please contact me at (707) 372-3598.

Resp. 1-30.17

# ATTACHMENT I Site Plan



# ATTACHMENT II Site Evaluation Data

# CAMPI ENGINEERING

Date: 17-Aug-2017

Location: 2525 Mankas Corner Road

Pit No	Depth (in)	Color	Texture	Rock		Structure						Consistency	,
				□0	☐ Massive	Single Grain	Granular	Dry				Very Hard 🖸 Extremely Har	
T1	0-39	1	SCL	1-25%	☐ Weak	Angular Block	y	Moist	☐ Loose ☐	Slightly-Friab	ole 🖥 Friable 🚨 Fi	m 🗆 Very Firm 🗆 Extremely	Firm
		1		□ 26-49%	Moderate	Sub-Angular B	Blocky	Wet	Non-Stic	cky 🛢 Slight-S	ticky 🗆 Sticky 🗅 🕻	Very Sticky 🚨 Non-Plastic 🖼 S	Slight-Plastic 🗖 Plastic 🗖 Very Plas
				□ ≥50%	☐ Strong	Platy Prism	atic 🖵 Columna	n and					
	-		Roots	Stock Children		Company of the Compan	The second second	Pores			Mottling	Boundary	Comments
	Department of	ery Fine	Fine 1-2 mm	Medium 2-5 mm	Coarse 5-10 mm		Very Fine 1 mm	Fine 1-2 mm	Medium 2-5 mm	Coarse 5-10 mm	■ None	☐ Abrupt <1 in	
Pew		3 < 10	□ <10	□ <1	<b>3</b> <1	Few	□ <10	□ <10	<b>3</b> <1	<b>1</b> <1	☐ Faint	Clear 1-2.5 in	
		10-100	10-100	1-10	1-5	Common	10-100	10-100	□ 1-10	☐ 1-5	☐ Prominent	■ Grad 2.5-5 in	
			- 10-100	- 1-10		- Common	□ >100	□ >100	□ >10	□ >5	☐ Distinct	☐ Diffuse >5 in	

Pit No	Depth (in)	Color	Texture	Rock		Structure						Consistency	IIJ
				<b>0</b> 0	☐ Massive	☐ Single Grain ☐	Granular	Dry	☐ Loose ☐	Soft Slight	lly-Hard U Hard U	Very Hard D Extremely	raid
- 1	39-94		SCL	1-25%	☐ Weak	Angular Block	У	Moist	☐ Loose ☐	Slightly-Friab	ole Friable U Fir	m 🗆 Very Firm 🗅 Extrem	nely Firm
- 1				26-49%	Moderate	Sub-Angular B	locky	Wet	☐ Non-Stic	ky 🖶 Slight-S	ticky D Sticky D V	ery Sticky U Non-Plastic	Slight-Plastic Plastic Very Plasti
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		The same of the same	Roots		COLUMN TO SERVICE DE LA COLUMN TO SERVICE DESTRUCTURA DE LA COLUMN TO SERVICE	The second second second		Pores			Mottling	Boundary	Comments
		ery Fine	Fine 1-2 mm	Medium 2-5 mm	Coarse 5-10 mm	25 16	Very Fine	Fine 1-2 mm	Medium 2-5 mm	Coarse 5-10 mm	■ None	☐ Abrupt <1 in	
Few		mm ] <10	= <10	<b>3</b> <1	<b>■</b> <1	Few	□ <10	□ <10	<b>3</b> <1	□ <1	☐ Faint	Clear 1-25 in	EARTH WORM ACTIVITY
		10-100	☐ 10-100	□ 1-10	□ 1-5	Common	□ 10-100	10-100	□ 1-10	Q 1-5	☐ Prominent	☐ Grad 2.5-5 in	
		7 10-100 I	- 10-100	□ 1-10	1 4-3	Committee	>100	□ >100	□ >10	□ >5	☐ Distinct	Diffuse >5 in	

Pit No	Depth (in)	Color	Texture	Rock		Structure						Consistency	
-115	(-/		<b></b>	0	☐ Massive	☐ Single Grain ☐	Granular	Dry	Loose U	Soft U Slight	tly-Hard 🚨 Hard 🖵	Very Hard 🚨 Extremely Ha	ra
			1	☐1-25%	☐ Weak	Angular Block		Moist	☐ Loose ☐	Slightly-Friab	ole D Friable D Fit	m U Very Firm U Extremely	Firm
- 1			1	Q 26-49%	☐ Moderate	Sub-Angular B	llocky	Wet	☐ Non-Stic	ky 🗖 Slight-S	ticky 🖸 Sticky 🚨 🕻	Very Sticky U Non-Plastic U	Slight-Plastic 🗖 Plastic 🗖 Very Plast
				□ ≥50%	☐ Strong	☐ Platy ☐ Prism	atic C Columnar						
and the state of		annulas, whatever, we	Roots	And the second	MALICLE STATEMENTS IN COLUMN	the second of the second second second second second	- down to the state of the stat	Pores			Mottling	Boundary	Comments
		ery Fine	Fine 1-2 mm	Medium 2-5 mm	Coarse 5-10 mm		Very Fine 1 mm	Fine 1-2 mm	Medium 2-5 mm	Coarse 5-10 mm	□None	☐ Abrupt <1 in	
		mm ] <10	□ <10	Q <1	□ <1	Few	□ <10	<b>□</b> <10	□ <1	□ <1	☐ Faint	☐ Clear 1-2.5 in	
Few		10-100	☐ 10-100	□ 1-10	□ 1-5	Common	□ 10-100	□ 10-100	□ 1-10	☐ 1-5	☐ Prominent	☐ Grad 2.5-5 in	
Comm Many		3 >10-100 3 >100	□ >100	□ >10	□ >5	Many		□ >100	□ >10	□>5	☐ Distinct	☐ Diffuse >5 in	

# CAMPI ENGINEERING

# **Percolation Test Data Sheet**

Location: 2529 Mankas Corner Road

Date: 6 November 2017

	Test Hole			Test Hole 2			Test Hole 3			
Total De	epth		Total Dep 36"	th		Total Depth 36"				
Time	Observation (in)	Change (in)	Time	Observation (in)	Change (in)	Time	Observation (in)	Change (in)		
1014	26.5	START	1023	25.5	START	1030	19	START		
1042	DRY	5.5	1046	31	5.5	1049	23	4		
1043	26.5	FILL	1048	25.5	FILL	1050	19	FILL		
1053	29	2.5	1055	30.5	5	1056	20.5	1.5		
1053	26.5	FILL	1055	25.5	FILL	1056	19	FILL		
1103	27.5	1	1105	30	4.5	1106	23	4		
1104	26.5	FILL	1105	25.5	FILL	1106	19	FILL		
1113	28	1.5	1117	30	4.5	1119	21.5	2.5		
1114	26.5	FILL	1117	25.5	FILL	1119	19	FILL		
1123	27	0.5	1126	29.5	4	1129	21	2		
1123	26.5	FILL	1127	25.5	FILL	1129	19	FILL		
1135	28	1.5	1137	30	4.5	1139	22	3		
1135	26	FILL	1137	25.5	FILL	1139	19	FILL		
1147	27.5	1.5	1150	30	4.5	1152	21	2		
1147	26.5	FILL	1150	25.5	FILL	1152	19	FILL		
1200	28	2	1202	30	4.5	1204	21	2		
1200	26.5	FILL	1202	25.5	FILL	1204	19	FILL		
1210	27.5	1	1212	30	4.5	1214	21	2		
1210	26.5	FILL	1212	25.5	FILL	1214	19	FILL		
1220	27.25	0.75	1222	29.5	4	1224	20.5	1.5		
1220	26.5	FILL	1222	25.5	FILL	1225	19	FILL		
1230	27.5	1	1233	29.5	4	1234	20.5	1.5		
1231	26.5	FILL	1233	25.5	FILL	1234	19	FILL		
1241	27.25	0.75	1244	30	4.5	1244	20.5	1.5		
			1							
	IN/HR	4.1	Fi	nal Rate (MPI)	24.5	Fi	nal Rate (MPI)	9		

# ATTACHMENT III Frank's Septic Service Report

Seption with

Frank's Septic Service Inc.
P.O. Box 1477
Vacaville, Ca 95696-1477
707-678-4041
707-678-4057 fax
California Contractors License # 563728

Inspection Report Rele	ased To:
Jim Campi	
707-372-3598	
jim@campi.pro	

	Official Inspection Report For Sale of Property or Refinancing								
Date:	August, 22nd 2017								
Property Address:	2525 Mankas Corner Road, Fairfield California 94534								
Property Owner	1525 Mankas Corner Road, Fairfield California 94534 Vendy Decoito								
	Wendy Decoito								
The state of the s									
	Tank Conditions								
Lids intact:	Yes risers bolt down lids.								
Sanitary Tees Present:	Yes								
Septic Pumped Date:	N/A								
Satisfactory Condition:	Yes								
	Leachfield Conditions								
Manager Aller Stranger									
Visual Malfunctions:	None observed round: none observed								
Effluent Surfacing on Gi Leachfield Area Void of									
Leachileid Area void or	Structures. 165								
Constructed of:	Concrete Tank Capacity :								
	Ran water in septic system for 45 minutes with no signs of failure. Septic system								
functioning satisfactory	at the time of inspection.								
( Please note disclaimer	r below )								
Septic systems are sub-	terranean, therefore it is impossible to determine their overall condition, especially when								
no water is entering the	e field lines. For example, if the house is vacant, a determination of the condition is								
difficult. No prediction	can be made as to when or if a system might fail. This report comments on the								
workability of the system	m on the day of inspection only and is in no way intended for warranty. Workability can								
alter by factors such as	excessive rain falls, heavy water usage, faulty plumbing and neglect or physical damage								
to the system. All tanks	require pumping maintenance.								
	0:								
	/XI. Balin								
Signature:	Date: August, 31st 2017								
	Sean Bonifacio								

# Solano County Water Heater Tank Sizing Water Heater Calculator

# Facility Name:

Equipment	No. Units	GPH	Total GPH	
Hand wash sink	2	5	10	
Janitoria) Sink	1	15	15	
Prep Sink	0	5	0	4
3-compartment sink(18x18) per compartment	1	14	42	
3-compartment sink (24x24) per compartment	0	25	0	
Custom 3-compertment sink			0	
Mechanical warewasher	0		0	
Hand Spray Pre-rinse	0	45	0	
Garbage can area	0	15	0	
3 comp Bar sink	0	18	0	
Cloth washers (9-12 lbs)	0	45	0	
Cloth washer (16 lbs)	0	45	0	
Employee shower	0	20	0	
Coffee urn	0	5	0	
Single pot rinse	0	25	0	
Double pot sink	0	50	0	
Triple pot sink	0	75	0	
Other foctures that use hot water		0	0	
		Total GPH (TGPH)	67	
Custom 3-compartment sink	Length	0		
	Width	0		
	Depth	0		
		Water usage	0	
Warewasher			Number of units	Total water usage
Mechanical food	Racks per hour	0		
related utensilsware washer	Water usage per rack - Gallons	0		
	Total water usage	0.00	11	0
Glass ware washer	Racks per hour	1		
	Water usage per rack - Gallons	0.1		
	Total water usage	0.10	00	0
			1	0
Facility using mul	tl service utensils			
Total GPH needed/Recovery Rate	67			
Gas Water heater-Required BTU	37207.33	BTU needed to raise water to 120 F		
Electrical Water Heater-Required KW	8.35	KW needed to raise water to 120 F		
Facility using multi service	ce utensils-moderate use			
Total GPH needed/Recovery Rate	53.6			
Gas Water heater-Required BTU	29765.87	BTU needed to raise water to 120 F		
Electrical Water Heater-Required KW	6.68	KW needed to raise water to 120 F		
	nsils or don't use utensils at all	<del> </del>		
Total GPH needed/Recovery rate	53.6			
Gas Water heater-Required BTU	29765.87	BTU needed to raise water to 120 F		
Electrical Water Heater-Required KW	6.68	KW needed to raise water to 120 F		
Electrical Booster Heater-Required KW	9.81	KW needed to raise water to 180 F		I.
Gas Booster Heater-required BTU	47838.00	BTU needed to raise water to 180F	1	

Instructions:	
1) Complete blue boxes (enter 0 if not existent)	
2) For "Other fixtures that use hot water" contact the Health Department for more information	
3) Information for mechanical warewashers and custom equipment can be found in the cut sheets.	
4) The required temperature rise of water is 50F.	
5) GPH = Gallons per Hour	
6) To calculate kilowatts multiply volts by amperes Kw= (v*amp)/1000	
7) Make sure that all blue boxes are filled	

# Pardes 0154-140-050 and 0154-140-060

