

RICHARDSON'S BAY REGIONAL AGENCY

Thursday, December 15, 2011

5:30 P.M. to 7:00 P.M.

Sausalito City Council Chambers 420 Litho Street Sausalito, CA

PUBLIC COMMENT IS INVITED CONCERNING EACH AGENDIZED ITEM PURSUANT TO THE BROWN ACT. PLEASE LIMIT YOUR COMMENTS TO THREE (3) MINUTES.

AGENDA

5:30 P.M. CALL TO ORDER - ROLL CALL

1. Minutes of Sept. 21, 2011 Meeting
2. Review report of Harbor Administrator
3. Approval of prior expenditures for Sept. 10 – Dec. 10, 2011
4. America's Cup update
5. TMDL Local Program response
 - a. Approval of Houseboat Marina Program
6. Public comments invited concerning items NOT on this Agenda (3-minute limit)
7. Staff comments
8. Board member matters

NEXT MEETING: Tentatively planned for February 16, 2012. Board members please review your calendars and advise Staff as to your availability.

A COMPLETE AGENDA PACKET IS AVAILABLE FOR VIEWING ON THE RBRA WEBSITE <http://rbra.ca.gov> , AND AT THE SAUSALITO CITY LIBRARY.

TO RECEIVE AN ELECTRONIC MEETING NOTICE, PLEASE EMAIL REQUEST TO DON ALLEE AT dallee@co.marin.ca.us

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Office 415/289-4143 Cell 415/971-3919 bprice@co.marin.ca.us

RICHARDSON'S BAY REGIONAL AGENCY

MEMORANDUM

December 9, 2011

TO: RBRA Board
FROM: Ben Berto, RBRA Clerk
SUBJECT: December meeting

Board members:

First, Staff wants to recognize and thank Board members for making time in their busy holiday schedules to fit in this meeting. We may or may not have a full slate of Boardmembers, depending on backup member attendance.

There are a variety of items on the Board's agenda this meeting. Staff reviewed provisions of the houseboat monitoring program with representatives of the Sausalito-Marin City Sanitary District, and made one adjustment to the program as a result. Staff is recommending the final draft version included in this packet for Board adoption as an element of the RBRA TMDL local program.

Responses to letters on the AC34 Draft EIR were released on December 1. Staff will be prepared to discuss its provisions relating to the RBRA at the hearing. Those wishing to peruse the entire response documents can access them online through http://sfmea.sfplanning.org/2010.0493E_DEIR5pt1.pdf http://sfmea.sfplanning.org/2010.0493E_DEIR5pt2.pdf http://sfmea.sfplanning.org/2010.0493E_DEIR6.pdf http://sfmea.sfplanning.org/2010.0493E_DEIR7.pdf and http://sfmea.sfplanning.org/2010.0493E_DEIR8.pdf. Be forewarned that these are lengthy, and attempting to review them for RBRA-relevant items is challenging.

Will Travis, the longtime head of BCDC, recently announced his pending retirement. There may be an interval before his actual retirement occurs, and an interim director has been announced. Staff therefore considers discussions with BCDC to be temporarily on hold until the directorship issue is sorted out.

As can be seen from the latest boat demolition list, the recent wind storms have exacted a toll and our Harbormaster has been busy.

There may be a possibility for RBRA to secure some of the settlement funds arising out of the Cosco Busan oilspill, and Staff submitted a very time sensitive letter (attached) to the USDOJ concerning potential use of those funds for RBRA programs.

Thanks to member agencies for their FY '12 agency contributions – we are now current across the board.

Season's greetings!-*

RICHARDSON'S BAY REGIONAL AGENCY
MINUTES OF SEPTEMBER 15, 2011
HELD AT SAUSALITO CITY HALL CHAMBERS

MEMBERS PRESENT: Chair Ken Wachtel; (Mill Valley); Kate Sears, County of Marin; Emmett O'Donnell (Tiburon); Herb Weiner (Sausalito alternate)

ABSENT: Jerry Butler (Belvedere)

STAFF: Bill Price (Harbor Administrator); Ben Berto (RBRA Clerk)

Meeting called to order at 6:35 PM

Minutes of July 21, 2011 RBRA Meeting

Minutes were approved unanimously, with Chair Wachtel abstaining.

Review report of Harbor Administrator

Mr. Price updated the Board on the status of grants funded by Dept. of Boating. He described the work done on the Aramburu Island restoration project, and informed the Board of the completion of the dry-season water testing.

He advised the Board of plans to attend the America's Cup AC 45 preliminary races in San Diego as a guest of the Community Outreach Manager, in order to get a feel for the issues, sit in on the safety meetings and meet with the persons in charge of the mooring fields. Member Sears asked that he contact local staff in San Diego to see what steps they had taken vis-a-vis planning for the event.

Report was accepted.

Prior Expenditures

Member O'Donnell asked about the large expenses on certain vessels. Mr. Price replied that the expenses were to be expected due to the exceedingly difficult nature of the vessel, and said that the Coast Guard had covered the lion's share of the costs. When asked about the high costs incurred for vessels wrecked at San Rafael Yacht Harbor, he responded that large vessels beyond the scope of his crew and equipment were disposed of in San Rafael, and that their costs were in line. The RBRA operations in Sausalito do not have labor costs included so they are considerably lower.

Bob Mitchell asked why the Corps yard was not being used. Mr. Price replied that it is used constantly by RBRA and that San Rafael Yacht Harbor was hired mainly for large vessels.

The expenditure report was accepted.

Review & approve of Boating and Waterways AWAFF and VTIP grants for 2011-12

Both the DBW grants were passed unanimously.

Discussion of the America's Cup

Mr. Berto started out saying that the AC 34 activity was proceeding apace, and that the RBRA had written a letter in response to the EIR that addressed the impacts of anchored spectator vessels in regards to expanded need for sewage pump-out and increased degradation to the eelgrass beds. BCDC's opposition to more mega-yacht port facilities in San Francisco makes it even more reasonably foreseeable that Richardson's Bay would be a logical anchorage of choice. The letter asked the AC 34 Event Authority to help the RBRA in ramping up the pump-out program to meet increased demands, and to augment the enforcement budget to increase patrols and keep vessels from anchoring in sensitive eelgrass areas. The letter estimates the dollar total for our mitigation at \$124K. Audubon had also commented on the eelgrass impacts and he felt that this would add to RBRA's chances for mitigation funding. He also was confident that there would be an opportunity to develop outreach material for visiting boaters in conjunction with the AC 34 group in order to steer visiting boaters in the right direction.

Mr. Weiner asked that RBRA coordinate with Chief Tejada and Mr. Berto said that he had met with her and was seeking Coast Guard input as well. Mr. Weiner also asked Staff to contact the Sausalito AC 34's task force Maritime Group. Chair Wachtel asked about crop circles and Mr. Berto said the grass grows in waters less than 8-10' deep, which means larger boats anchoring deeper would not impact the beds but smaller vessels could, and he is still seeking input from experts. Member O'Donnell brought up the Sail Sausalito group's idea for creation of an RFP to privatize the mooring field – he stated that he was absolutely in favor of this public/private venture and offered to spearhead the effort. Chair Wachtel asked if this would be a temporary field and O'Donnell replied that he saw it as a temporary pilot program for a permanent field. Member Sears wasn't sure she was in favor of the idea and said she would need to review it.

Chair Wachtel reminded the Board that the last Mooring Plan was rejected by BCDC. Bob Mitchell said that any private field would have to obtain a permit through BCDC. Member O'Donnell felt that there was no public funding for a mooring field and that a private for profit plan would be the best solution, especially in light of the game-changing situation presented by AC 34. He wanted to pursue a letter to the BCDC regarding this concept.

Doreen Gounard, harbormaster from Galilee Harbor, said that there were lots of ways to set moorings and RBRA should imagine ways to mitigate for the influx of boats. Mr. Berto asked if member O'Donnell would be willing to meet with Will Travis at BCDC, and he confirmed. Member Sears asked if the old Plan would be presented and Chair Wachtel said he envisioned a more informational meeting.

Peter Moorhead wanted to remind the Board of their responsibilities to the public trust. He feels that the Board has lost legitimacy through their inaction. He stated that the Mooring Plan failed due to its live-aboard components. He asked if the Board didn't address the problem because of resources and manpower, or was it political. Mr. Weiner said that the Sausalito Police department had stepped up their enforcement efforts and suggested Mr. Moorhead could contact Chief Tejada for a meeting.

TMDL status report

Mr. Berto outlined the attached Draft TMDL and Chair Wachtel asked if this was the first step in the first phase. Mr. Berto replied that this draft memorialized the simple solutions and practices that were already in place within the houseboat marinas. He said that for the most part they were currently consistent with the proposed compliance items.

Bob Mitchell said that the draft should be vetted by the Sanitary District since there was a clause that would run bilge water through the mains. Flo Boyle, the Vice President of the Floating Homes Association spoke in favor of the draft and volunteered to assist in the educational informational effort through articles in the Floating Homes Times.

Public Comment

Peter Moorhead asked for the harbormaster to comment on why there are still boats in Richardson's Bay, and Bob Mitchell also repeated the question. Chair Wachtel advised both parties that the question felt like an ambush, and that they could ask Staff for a meeting to address the inquiry outside of the Board meeting.

Staff Comments

Mr. Berto asked for Board members to check their calendars in order to ensure a quorum for the December 15th meeting, since we barely made quorum this evening.

Board Member Matters

Member O'Donnell pointed out that Coastal Clean-up Day was slated for the weekend in Tiburon and Mr. Price reported on his proposed clean-up efforts in Strawberry Point.

The meeting was adjourned to closed session at 6:45 PM.

NOTE: The next meeting of the RBRA is scheduled for **December 15, 2011 at 5:30 PM** at the Sausalito City Hall Chambers.

RICHARDSON'S BAY REGIONAL AGENCY

HARBOR ADMINISTRATOR'S REPORT

December 8, 2011

WORKING RELATIONSHIPS

- **Dept. of Boating and Waterways** – 1) Both grants from DBW have been funded and approved 2) Putting together a three year grant to Cal boating for Operations and Maintenance on the sewage pump-out vessel “Waste Aweigh II” 3) Attended the Boating and Waterways Commission meeting in Santa Cruz to speak in support of the Abandoned Vessel program and discuss ways to fine-tune the process.
- **US Coast Guard** – Met with USCG abandoned vessel working group in Alameda to discuss options on a large unmanned barge.
- **BCDC** – met with Adrienne Klein and Todd Thalheimer of State Cal Recycling (formerly Waste Management Board) to discuss cost recovery options for a large barge.
- **US Coast Guard** – Met with abandoned vessel working group in Oakland to discuss options on a large unmanned barge 2) Assisted in Coast Guard efforts to secure and salvage a 65’ wooden barge.
- **Corps of Engineers** – coordinated the removal of large barge, and 4 vessels abandoned at their dock.
- **Sausalito Police Department** – 1) in constant communication with PD to solve issues on the water 2) Working with SPD and Public Works to keep their city-owned docks clear of unauthorized vessels.

DEBRIS REMOVAL

- Disposed of 18 vessels. 3 boats are currently impounded. 1 is in lien sale status.
- Beach clean-up efforts ongoing using Marin Co. Community Service volunteers.

RAPID RESPONSE

- A 28’ sailboat was recovered and secured by Vessel Assist. Vessel awaiting cost recovery.
- USCG assisted in recovery of three sailboats from Sausalito shoreline during recent Santa Ana-type wind event.
- Recovered 2 dinghies and three dock sections from Tiburon shoreline.

WATER QUALITY

- Wet season water testing scheduled for 2/2/12 and results projected to available by the end of March.

OTHER

- Regularly meeting with the Marin County AC 34 group, and Sail Sausalito to discuss waterfront issues related to AC 34.
- Met with San Francisco Baykeeper to discuss future of Richardson’s Bay.
- Attended the Annual Harbor Masters and Port Captains training conference in Sacramento.
- Attended the AC 34 world series race in San Diego to gain insight on the approaching Bay Area races. Extensive tour and security meeting access.

Richardson Bay Regional Agency

Vessel Disposal List Sept. - Dec. 2011

Date	Name	Type	Amount
8/21/2011	Ruffin	32' wooden powerboat	538.38 abandoned - VTIP
10/5/2011	Figawi	35' wooden powerboat	759.98 abandoned - VTIP
10/22/2011	LCVP - Gates	37' wooden boat	1210.5 sunk
10/22/2011	Myron	30' wooden sailboat	932.22 abandoned - VTIP
10/22/2011	Yachtsea	22' fiberglass sailboat	1,085.00 abandoned - VTIP
11/12/2011	Marshall	36' wooden powerboat	1,325.50 abandoned - VTIP
11/12/2011	Orca	22' f/g sailboat	200.00 abandoned
11/12/2011	Rainbow	24' f/g sailboat	733.00 abandoned - VTIP
11/23/2011	Seidel	35' wooden powerboat	4,125.00 abandoned - sunk
11/23/2011	Celis	24' f/g sailboat	1,118.75 abandoned - sunk
11/23/2011	Lancer 28	28' f/g sailboat	1,500.00 abandoned
12/1/2011	Alix	65' wooden barge	11,900.00 abandoned - sunk
12/2/2011	Santa Lucia	40' wooden powerboat	4,600.00 abandoned - VTIP
12/10/2011	Sea Wind	25' f/g powerboat	650.00 abandoned - sunk *
12/10/2011	Cantillo	42' wooden powerboat	1,025.00 abandoned - VTIP *
12/10/2011	Penultimate	28' f/g sailboat	1,985.00 abandoned *
12/10/2011	Titania	24' wooden sailboat	380.00 abandoned - sunk *
17 vessels total			34,068.33

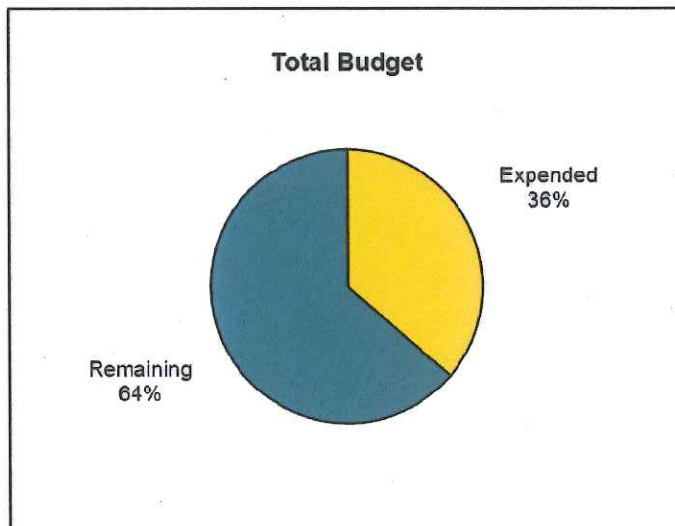
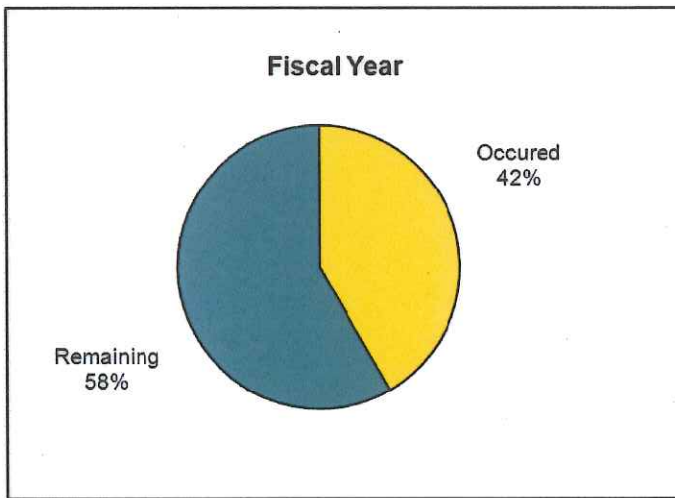
* indicates estimated invoices

RBRA FY 2011 - Sept 11, 2011 - Dec 6, 2011 BALANCE SHEET

COST ELEMENT	DESCRIPTION	EXPENSES	REVENUE
City Contribution	Sausalito RBRA Dues		-79,936.00
Bldgs & Grounds Rent	Mooring rental		-150.00
Sales and Services	Mast sold to Chris Burns		-350.00
State - Grant	AWAF / VTIP reimbursal		-35,313.05
Bldgs & Grounds Rent	Slip rental		-150.00
Bldgs & Grounds Rent	Mooring rental		-150.00
Bldgs & Grounds Rent	Mooring rental		-300.00
Sales and Services	Mooring rental		-300.00
Bldgs & Grounds Rent	Mooring rental		-450.00
Bldgs & Grounds Rent	Mooring rental		-150.00
Int on Pooled Invst	Interest payment		-127.28
		Revenue total	-117,376.33
Prof Svcs - Legal	County Counsel	146.25	
Com Srvc - Cell Phon	AT&T - Mobile phone	68.66	
Ins - Gen Liability	Alliant Insurance - Annual insurance fee	13,271.10	
Prof Svcs - Other	Alexander - website services	260.00	
Com Srvc - Broadband	AT&T - internet charges	88.97	
Com Srvc - Broadband	Earthlink - internet charges	7.90	
Rent - Off Space	Clipper Yacht harbor - impound slip	332.00	
Trav-Meals	Saylors - volunteer award lunch	20.20	
Trav-Meals	Mollie Stones - water for crew	13.74	
Trav-Meals	Peets Coffee - coffee box - Harbormasters	15.50	
Trav - Parking	Impark - parking for AC 34 mtg SF	7.50	
Postage	Fed Ex	12.30	
Oth Maintenance	West Marine - boat parts	6.92	
Oil & Gas	Chevron - Fuel for patrol vessel	24.48	
Rent - Off Space	Schoonmaker Point Marina - slip rent	275.96	
Rent - Off Space	Schoonmaker Point Marina - slip rent	147.50	
Rent - Off Space	Libertyship Dry Storage	240.00	
Rent - Off Space	ICB - office rent	420.00	
ProfServ-CntySalRe	Staff salary	10,200.45	
Prof Svcs - Other	MT Head - Sept. pump-outs	350.00	
Prof Svcs - Other	Fleshman - day labor	200.00	
Com Srvc - Cell Phon	AT&T - Mobile phone	68.19	
Rent - Equip Rental	Hertz rental - backhoe	559.98	
Prof Svcs - Other	DMV transfer fees for vessel	200.00	
HazMat Clean Up	S.R.Haz Mat Recycling Cntr. - disposal fees	20.00	
Trav - Parking	Parking - Water Quality Control Board mtg.	14.00	
Prof Svcs - Other	Dave's Diving - clean boat for towing to SR	165.00	
Prof Svcs - Other	Fleshman - day labor	200.00	
HazMat Clean Up	Bay Cities - debris box removal	1,556.50	
Com Srvc - Broadband	AT&T - internet charges	88.56	
Rent - Off Space	Clipper Yacht harbor - impound slip	332.00	
Trav-Meals	Parking - Sausalito lot	1.00	
Oth Maintenance	West Marine - boat parts	13.84	
Oth Maintenance	Goodman Hardware - gloves forr crew	10.75	
Oil & Gas	Chevron - Fuel for patrol vessel	101.20	
Com Srvc - Broadband	Earthlink - internet charges	7.90	
Rent - Equip Rental	All-Star Rental - Backhoe rental	732.22	
Oth Maintenance	Home Depot - tools for demolition	216.06	

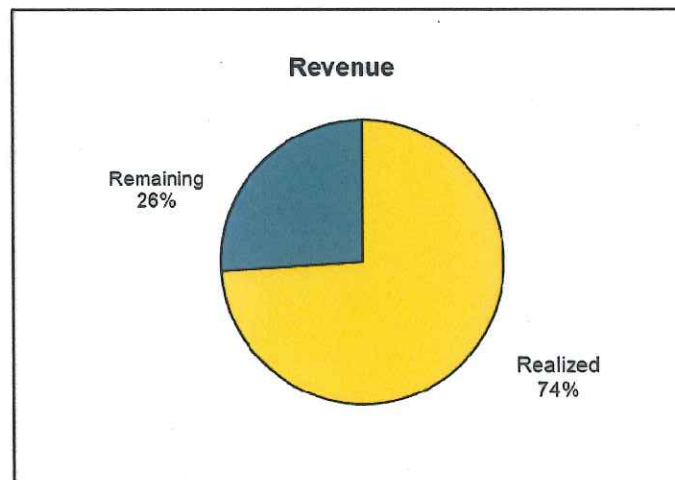
HazMat Clean Up	Bay Cities - debris box removal	515.00
Rent - Off Space	Libertyship Way - dry storage rental	240.00
Rent - Off Space	Schoonmaker Point Marina - slip rent	147.50
Rent - Off Space	Schoonmaker Point Marina - slip rent	275.00
ProfServ-CntySalRe	Staff salary	10,009.83
Prof Svcs - Other	Maher Accountancy - State report filing	750.00
Prof Svcs - Other	MT Head - Oct. pump-outs	350.00
Rent - Off Space	ICB - office rent	420.00
Prof Svcs - Other	Fleshman - day labor	250.00
Prof Svcs - Other	Wedlock - Survey	235.00
Prof Svcs - Other	Wedlock - Survey	235.00
Prof Svcs - Other	County Labs - water test Fall 2011	2,250.00
Prof Svcs - Other	Fleshman - day labor	125.00
Prof Svcs - Other	Parker Diving - raise 36' powerboat	5,100.00
Prof Svcs - Other	Parker Diving - pull in 25' powerboat	200.00
ProfServ-CntySalRe	Staff salary	10,200.46
Prof Svcs - Other	MT Head - Nov. pump-outs	350.00
	Expense total	62,049.42

Percent of Budget and Percent of Year as of December 1, 2011



Expenditures vs. Budgeted Expenditures

Expenditures	\$363,440
Adopted Budget	\$132,145



Realized Revenue vs. Budgeted Revenue

Realized Revenue	\$363,589
Budgeted Revenue	\$269,113

Richardson's Bay Regional Agency and County of Marin Houseboat Marina Program

Background

There are approximately 420 houseboat residences (floating homes) in the unincorporated area of the County of Marin just north of the Sausalito city limits. They are docked at four marinas that are separately owned, operated and maintained. The marinas with the number of docks, houseboats, and pump/lift stations are listed below:

• Commodore	1 dock	11 houseboats	1 pump/lift station
• Kappas	3 docks	117 houseboats	2 pump/lift stations
• Waldo Point	6 docks	270 houseboats	4 pump/lift stations
• Yellow Ferry	1 dock	22 houseboats	1 pump/lift station
• TOTALS	11 docks	420 houseboats	8 pump/lift stations

The four marinas are comprised of eleven individual docks. Nine of the eleven docks are on pilings and fixed, therefore not subject to tidal influence. Two of the eleven docks, Commodore (11 houseboat residences) and Waldo Point "the Gates" (37 houseboat residences), are floating docks subject to tidal actions. Waldo Point the Gates is currently in design review with a planned total rebuild as a fixed pier.

Each marina provides sewerage, potable water, gas, electric, cable TV/computer, telephone and fire suppression service to the houseboat residences in much the same way as is provided to land side residences. There are significant differences in the sewage collection system for the houseboat communities compared to land based systems.

1. The collection systems are suspended beneath the dock/pier and are exposed, easily accessible, and generally visible from the houseboat to where the system goes underground at the transition to shoreline.
2. The collection system for the houseboat communities from the point of discharge at the houseboat to entry into the underground pump stations are under pressure created by the ejector and grinder pumps used to pump wastewater from each individual houseboat.

Houseboat Marina Sewage Collection System Design Components

Each floating home has a fully enclosed holding tank with an ejector or grinder pump within the tank to deliver the houseboat's wastewater up to the main sewer line which is suspended under the dock. The holding tank and ejector/grinder pump configurations are either mounted on the inside or outside of the floating home hull. The mounting of holding tanks and ejector pumps appears to be evenly distributed on the inside and outside of the houseboat hull throughout the marinas.

Wastewater delivery from the houseboat to the dock main is accomplished through a flexible 1½" to 2" hose termed a "lateral". This lateral connects the houseboat wastewater holding tank to the main sewer line. The lateral is suspended between the holding tank and the dock sewer main and allows for houseboat movement due to tidal action. Where there is a fixed pier, the laterals generally are hung such that they are completely out of the water at low tide, and

partially submerged during high tides. The laterals for the two floating docks are generally submerged at all times except for the two connecting ends.

There are two check valves between each houseboat ejector pump and dock main line to prevent wastewater from flowing back to the houseboat when the ejector pump has stopped pumping. One check valve is located at the ejector pump and one check valve is located where the lateral enters the main sewer line under the dock.

The sewer main of the sewage collection system is PVC pipe suspended beneath the main dock above the water. The sizing of the main line is based on the length of run of the main as well as the number of houseboats connected. For example, Waldo Point has one main that increases in diameter from 2" to 2 ½" to 3" to 4" before reaching shore.

The sewer mains proceed underground upon reaching shore and terminate at pump stations. These stations have two pumps (generally 5 horsepower each) which alternate duty via float switches in the tank. There are audible and/or visual malfunction alerts for both high and low water conditions in the holding tanks. If one pump fails, the other pump assumes total duty and the alarms are activated. In the event both pumps fail, there is an overflow tank that provides emergency capacity. If repairs cannot be made quickly and overflows are imminent, the holding tanks can be manually pumped by a service provider.

Sewage from the houseboat marina pump/lift stations is pumped directly to the Sausalito - Marin City Sanitation District's (SMCSD) sewage collection system. Sewage collection, treatment and disposal are provided by SMCSD.

The maintenance and operation of the system components as well as wastewater management from the houseboat to the marina dock sewer main are the responsibility of the houseboat owner. The responsibility for the maintenance and operation of the sewer main from the dock to and including the pump/lift stations is that of the marina owner. The sewage collection system beyond the marina pump/lift stations is the responsibility of SMCSD.

Houseboat Marina Sewage Collection System Procedures

The four houseboat marina collection systems are all very similar in design. As a result, the approach taken by marina operators for sewage collection system oversight, management and maintenance are essentially the same.

All system lines are under some pressure at all times. This makes detection of any leaks or compromises in the system easily recognized both visually and audibly by anyone in reasonably close proximity.

Preventative inspections tend to be minimal due to the close proximity of full time residents and ease of problem detection. Because the underside of the marina piers also carries fire suppression, gas, electrical, water, cable TV, and telephone lines, there is frequent work under the dock with opportunity to observe the sewage collection system. Additionally, there are annual inspections required of both the gas lines as well as the fire suppression system. Marina

staff participates in these inspections which provide opportunities to visually survey the sewage disposal network.

In the event a component belonging to a homeowner fails, the homeowner is notified to arrange for immediate repairs. Water supply is turned off to the houseboat and actions necessary to prevent and eliminate effluent flow into the bay are taken immediately. If the resident is out of town or the item in need of repair is difficult to access by boat, the marina staff will at a minimum turn off water to the houseboat to ensure there is no leakage into the bay. In some cases marina staff will perform the repair and bill the homeowner.

A written maintenance log is maintained by the marina maintenance personnel to track any known repair to any component of sewer related infrastructure whether performed by a homeowner, marina maintenance staff or outside contractors.

The marina pump/lift stations have regularly scheduled preventative maintenance and any necessary repairs by a plumbing contractor. Each marina maintains parts and supplies on-site to handle the majority potential failures. Again, any system related repairs that are performed are logged.

Observations

The majority of the sewage collection system is entirely above water, suspended beneath the piers and therefore exposed and easily accessible. On the stationary fixed piers, it is only the laterals from the main line to the houseboat that dip below the water level as tidal cycles to high tide. The sewer laterals from the houseboat home to the main are suspended so they are out of the water during low tides. Laterals that connect a houseboat to a floating dock main line tend to be submerged at all times. In these cases the connections to the houseboat holding tank and the dock main are above the water level. In all circumstances, the systems are accessible, and generally visible from the houseboat to where the sewer main goes underground at the transition to shore.

The systems are under pressure and suspended above the water making detection of any leaks or compromises in the system easily recognized both visually and audibly. Houseboat residents interviewed said that they are very aware of unusual dripping or hissing sounds that might indicate a leak. They also said they can smell the sewage if there is a leak. The residents access their homes by walking in close proximity to (sometimes directly above) the sewage collection lines which can be perceived to be to a passive inspection.

Most of the daily sewer system use is conducted during two time periods. Waldo Points pump stations records show that 80% of pumping occurs from 7 am to 10 am, and 18% occurs from 5 pm to 7 pm. These are times when it would be expected that there would also be more resident activity on the docks.

There are three major storm water outfalls in the area of the four houseboat marinas. From south to north they are:

- 48" outfall at Waldo Point "C" Dock
- Drainage channel at Kappas Gate 6 ½ - this channel connects with a pond west of Highway 101 next to the Marin City Shopping Center
- Drainage channel north of Commodore located east of Highway 101 at the intersection at Highway 1.

It is unclear at this time if there is a regular water flow from these locations throughout the year. Additionally, there is a 6'X6' vault just south of Waldo Point "E" Dock at the city limits of Sausalito. Waldo Point staff believes this is also some sort of storm drain facility. There are also numerous small drainage features in the parking areas along the length of the houseboat marina properties.

It is almost certain that the discharge from the three major storm water outfalls must impact water quality during rain events. These outfalls may also contribute throughout the year depending on flow and watershed water quality. The water quality at these outfalls should be assessed through water testing throughout the year.

Recommendations

Overall, current oversight and response practices are good and relatively consistent throughout the houseboat communities. However, additional community education providing a higher level of community awareness along with more active community participation would provide for a more comprehensive and responsive program. Additionally, a few collection system design and configuration changes would provide for a more visible system for easier inspection and leak detection with less exposure to possible failures. Following are the recommended program elements:

Inspection

- Encourage harbormasters to schedule regular inspections of their dock's sewage collection system. The mainline sewage tank and pump should be visually inspected, cleaned, and repaired (as necessary) annually. Records of the inspections, findings and action should be maintained, and submitted annually to RBRA/County EHS.
- Encourage dock residents to promptly report leaks to harbormasters. RBRA/County EHS will assist in the event of a delay in response/resolution.
- Sewage collection system inspections should be performed after earthquake/tsunami events as these tend to affect the integrity of the joints.
- Record inspections and document leaks//repairs/other issues in incident reports. Include in annual report to RBRA/County EHS.
- A complete system evaluation should be performed as part of a houseboat marina Use Permit renewal, to assess the integrity of the system components. This should include any system components from the houseboat hull to the shore side pump stations.
- External ejector or grinder pump configurations (those mounted on the outside of the houseboat hull) should be inspected periodically for integrity. Frequency of inspection should be determined based on previously demonstrated durability.

Collection System Design and Configuration

- All ejector or grinder pumps and holding tanks should be moved inside the hull of the houseboat if possible. This should always occur at time of re-hull. Currently about 95% are stationed inside the hull of the houseboat.
- The flexible hoses utilized for the laterals from the houseboat to dock transition should be scheduled for replacement on a periodic basis based on reasonable life expectancy considering the demands of the environment.
- All hard plumbing (holding tanks and hard piping) associated with the houseboat should be maintained completely above the water line at all times.

Information Dissemination

- Work in conjunction with Harbormasters and Floating Homes Association (FHA) to disseminate information concerning the Houseboat Marina Inspection Program to all houseboat residents. An annual issue of the Floating Times (scheduled for printing in February 2012) should:
 - Outline best management practices for individual, onboard sewage systems,
 - Provide a phone tree for sewage emergencies specific to each marina and/or dock,
 - Describe the signs to look for when a leak is suspected.

Recommendations for responsible agencies

Storm Drain and Water Runoff

- Identify all major runoff discharge locations and test water quality regularly at different times of the year.
- Identify all localized area drainage facilities (shore side parking lots, etc.) and assess their impact on water quality.
- Based on findings, consider corrective actions to mitigate any negative impacts.

Submitted by:

Robert Turner

County of Marin

Environmental Health Services Project Manager

Enclosures:

Commodore Marina Sewer System (system description and marina management protocol)

Richardson Bay & Kappas Houseboat Marina (system description and marina management protocol)

City of Sausalito Sewer Ejection Systems – Yearly Maintenance Program

Sewage Ejector Pump information

County Code

Dock List (AP #'s & Addresses)

Aerial Photos (details include Dock Names, Pump Station & Storm Water Outfall locations)

RICHARDSON'S BAY REGIONAL AGENCY

October 27, 2011

Submitted via email to pubcomment-ees.enrd@usdoj.gov

Assistant Attorney General
Environment and Natural Resources Division
U.S. Department of Justice
P.O. Box 7611
Washington, D.C. 20044-7611

SUBJECT: *United States v. M/V COSCO BUSAN et al., D.J. Ref. 90-5-1-1-09349*

Dear Assistant Attorney General:

The Richardson's Bay Regional Agency (RBRA) respectfully submits the following comments on the proposed Consent Decree in *United States v. M/V COSCO BUSAN, et al.*, Civil Action No. 07-6045SC pursuant to the Department of Justice's Notice of Lodging of Consent Decree in the Federal Register on September 27, 2011 (76 Fed. Reg. 59738).

RBRA is a joint powers authority dedicated to protecting and enhancing Richardson's Bay, a sub-bay of San Francisco Bay located in Marin County, California. RBRA staff is submitting these comments to support the use of the proposed Consent Decree to enhance Richardson's Bay habitat and recreational uses.

RBRA looks forward to participating in the implementation of the proposed Consent Decree through its joint powers permitting and regulatory authority. Should you have any questions, please do not hesitate to contact me.

Sincerely

Ben Berto
RBRA Clerk

CC: Harbor Administrator
RBRA Board



Sausalito launches homeless aid program, will seek out those on the water

By Mark Prado
Marin Independent Journal

Posted: 10/27/2011 06:00:00 PM PDT

The Sausalito Police Department is launching a homeless outreach program to help those in need on land and on Richardson Bay as well.

One of the first efforts of the new program will see nurses and others go out on the bay Tuesday to make contact with the "anchor out" community — people who live on boats, sometimes in squalid conditions — and offer them flu shots, access to physicians and information to improve their health and living situations.

The city's homeless program was born out of a conversation Sausalito Police Chief Jennifer Tejada had with a man who told her he was ready to "come off the water" after living on the bay for 25 years.

"He was concerned about the winter and how he would survive it and he told me he had lost three friends on the water," Tejada said. "He wanted to come onto land and didn't know how to do it."

There are roughly 130 anchor outs on the bay, with 40 percent having a limited income, Tejada said.

"That is the at-risk population," the chief said, as she peered through binoculars at one ramshackle boat on the bay Wednesday. "This program will hopefully make a

difference somewhere."

Nurses from the University of California at San Francisco, overseen by Marin County's Department of Health and Human Services, will make the visits via boat to the anchor outs.

"This is the first time we have done something like this on the water," said Jan Zaslav, a public health nurse with

the county's Department of Health and Human Services. "I think it's an exciting project that will help."

While services for people who live on the water is a unique aspect of the program, it is land-based as well. A team of three police officers has been formed and they will incorporate their outreach efforts into their everyday responsibilities as they patrol Sausalito. Sgt. Stacie Gregory, who worked in a homeless shelter when she was in college, will coordinate the program, and will be assisted by officers Nick White and Brandon Rodgers.

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"We want to be the liaison between the services the county has and the people that need them," Gregory said. "We will focus on everyone, from people on land to on the water."

Sean Stephens, veterans service officer for county, went to talk to speak with the homeless in Sausalito and to visit the anchor outs to see if there were veterans among the groups he could help. He eventually spoke with Tejada and helped Sasualito develop its program.

"I met the chief and she took it 100 steps farther," he said. "People are in need. A boat on the water may look nice:from the shore far away, but many don't have electricity and generally have limited resources. Survival is day-to-day for some of these people."

Contact Mark Prado via email at mprado@marinij.com

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