CBJ DOCKS & HARBORS BOARD
CIP / PLANNING COMMITTEE MEETING AGENDA
For Thursday, August 23rd, 2012

I. **Call to Order** (5:00 pm in the Assembly Chambers)

II. **Roll Call** (Greg Busch, Kevin Jardell, Eric Kueffner, David Logan, Budd Simpson, and Michael Williams).

III. **Approval of Agenda.**

MOTION: TO APPROVE THE AGENDA AS PRESENTED OR AMENDED.

IV. **Public Participation on Non-Agenda Items.**
(Not to exceed five minutes per person or twenty minutes total time).

V. **Approval of July 19th, 2012 CIP/Planning Meetings Minutes.**

VI. **Items for Action. – NOTHING TO REPORT**

VII. **Items for Information/Discussion.**

1. Seawalk Extension on CBJ Tidelands
   Presentation by Port Engineer

2. Relocation of USS Juneau Memorial
   Presentation by Port Engineer

3. Funding Match for Aurora Harbor
   Presentation by Port Engineer

4. Funding Match for Statter Harbor
   Presentation by Port Engineer

5. Auke Bay Loading Facility – Washdown System
   Presentation by Port Engineer

VIII. **Member & Staff Reports.**

IX. **Committee Administrative Matters.**

Next Meeting: September 20th, 2012

X. **Adjournment.**

CITY/BOROUGH OF JUNEAU
ALASKA'S CAPITAL CITY

City & Borough of Juneau • Docks & Harbors
155 S. Seward Street • Juneau, AK 99801
(907) 586-0292 Phone • (907) 586-0295 Fax

Port of Juneau

Sent via E-mail

June 29, 2012

Robert Bouchard
Grants Officer Technical Representative
MARAD
1200 New Jersey Ave, SE
MAR-510
Washington, DC 20590

Subject: Grant Project Items Amendment Request

Grant No.: DTMA1G10002

Dear Mr. Bouchard;

Per our recent telephone conversation I am following up with information to request an amendment to the list of project items in our TIGER funded grant project.

A primary purpose of the Auke Bay Loading Facility (ABLF) in Juneau, Alaska is to support the local fishing industry with critical fisheries docking needs, storage for fishing gear and equipment, and vessel haul-out and storage. As the facility nears completion most of the critical elements are in place to accomplish the fisheries related goals of the facility. The one remaining element is vessel washdown capability. As vessels are removed from the sea with the 45 ton SeaLift they will need to be washed down for storage in the uplands storage area of ABLF.

The EPA Clean Water Act does not allow potentially contaminated boat washdown water to freely drain from the site into the adjacent water body. Since we have no sewer facility and a treatment plant and outfall is cost prohibitive and likely difficult to permit in this sensitive location the water must be contained, filtered, transported, and disposed of in our municipal sewage treatment plant.

We have considered numerous cost effective options to provide washdown services at the ABLF facility. The proposed washdown facility at ABLF would be comprised of a portable copolymer containment pad, wash water recirculation pump, particulate filtering system, and waste water storage tank. A shipping container would be outfitted to store the equipment and pad when not in use. Electrical connections will be made from existing systems on site to serve the equipment. The specific equipment will be selected on quality and price consistent with the CBJ procurement codes.

The estimated cost of washdown equipment and an estimate of time of completion is listed below.

Item	Description	Estimated Cost	Schedule from Approval
1	Waste Water Filtration/Recycling Equipment	$30,000	90 Days *
2	Pressure washer equipment	$10,000	60Days *
3	Portable Washdown Pad	$20,000	90 Days *
4	Boat Stands	$5,000	60 Days *
5	Miscellaneous Hardware and Equipment	$5,000	60 Days *
6	Electrical and Plumbing Hook-Ups	$15,000	90 Days *
7	Storage Container Outfitted for Equipment	$20,000	90 Days *
	TOTAL	$105,000	90 Days
* - Time line concurrent for these items.			

The remaining TIGER grant funds of the ABLF project would offer an opportunity to fund the washdown facility. The TIGER funded Auke Bay Loading Facility - Phase II project has been highly successful to date and is nearing completion. We were fortunate to receive a favorable construction bid and there have been no significant cost increases due to change orders. The project has run smoothly and will be completed with sufficient funds available to purchase the washdown and water treatment equipment.

The TIGER grant amount was $3,640,000 with actual expenditures and encumbrances equaling $3,510,754 leaving a balance of $129,246. Clearly this would be sufficient funds to purchase the facility components, ship them to Juneau, and install them for use at ABLF.

Grant Amount	$3,640,000
Spent To Date	$3,510,754
Balance	$129,246
Washdown Facility Estimate	$105,000

The purchase of the washdown water treatment equipment and washdown pad would complete the original vision of the Auke Bay Loading Facility to provide comprehensive docking, haul-out, washdown, and storage services to our fishing fleet.

Thank you for your consideration of our request for an amendment to include the purchase of washdown and water treatment equipment at the Auke Bay Loading Facility. If you need further information please contact me at your convenience.

Sincerely;

Gary Gillette, Port Engineer
Phone: (907) 586-0398
E-mail: gary_gillette@ci.juneau.ak.us

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The Next Generation in Waste Water Treatment Technology

THE NATURAL SOLUTION TO WASTE WATER TREATMENT

LETTER OF INTRODUCTION

The Next Generation in Waste Water Treatment Technology is in the waste water treatment business and only waste water treatment. We have over the years developed treatment methods that are truly **The Next Generation in Waste Water Treatment**. We are in constant pursuit of new and better ways to treat as well as recycle waste water with less cost and better quality of water. With that said, our designs take into account application used, the need for quality recycle water, cost of equipment to fit your budget, and last but not least service ability. By this we mean what service is required to maintain the recycle system and the technical level required to perform this maintenance.

The marine industry has unique problems with recycling equipment from location environment to heavy metal from bottom paint. We have addressed these problem by using materials that are not affected by the marine environment and are cost effective, and simple methods to remove heavy metals.

The DEP of Florida has included our equipment in there "Sources For Best Management Practices" booklet

EPA 841-B-01-005 NATIONAL MANAGEMENT MEASURES GUIDANCE TO CONTROL NONPOINT SOURCE POLLUTION FROM MARINAS AND RECREATIONAL BOATING SECTION 4.13. BOATING CLEANING
Management Measures Description
Under the Clean Water Act, the NPDES Storm Water Permit Program defines boat wash water as "**PROCESSED WATER**" Discharge of any processed water by a marina or boatyard is illegal nationwide without a formal permit from EPA or a state government.
Note; This permit from the EPA is impossible to get.
For more information use your computer and search EPA841-B-01-005

Take the time to review our equipment if you feel that this equipment will fit your requirements, please let us know we will work with you to make this installation an example for other marinas in your area.

Sincerely

Mike Givens

E-MAIL waste-w@swbell.net
Phone 281-639-7860
P.O. Box 262772
Houston, Texas 77207

THE NEXT GENERATION IN WASTE WATER TREATMENT TECHNOLOGY

MODELCL-300-BF TOTALLY ABOVE GROUND CLOSED LOOP PRESSURE WASH WATER RECYCLE SYSTEM FOR MARINAS AND BOATYARDS

(A) Primary media filter incorporates a proprietary media that is permanent and never needs changing. This media is modified to have an attraction for heavy metals like Copper.
(B) Final filter before going to the pressure washer 5 micron filter.
(C) Newly added UV lamp system to destroy ALL Pathogens in the recycled water. When testing water samples removed from the recycle system at a marina high amounts of total coliform, E. coli, and Fecal coliform were detected. After the installation of the UV lamp all samples were below the detectably level, this UV lamp also destroys algae. Water sample was left standing for 2 week and no algae was observed.
(D) Recycle pump, this pump recycles water through the media filter continuously, supplies the air injector and provides pressure to the pressure washer.
(E) Outlet from final filter to pressure washer.
(F) Back flush line connection.
(G) Cascade bag filter tank the bag filters collects solids from the bottom of the above ground separator.
(H) Above ground separator tank.
(I) Treatment/Storage tank.

FOR MORE INFORMATION CONTACT MIKE GIVENS AT 281-639-7860
E-MAIL waste-w@swbell.net web site www.naturalwatertreatment.com

THE NEXT GENERATION IN WASTE WATER TREATMENT TECHNOLOGY

TRAILER MOUNTED CLOSED LOOP RECYCLE SYSTEM FOR MARINAS AND BOATYARDS

Connection to pressure washer

Bag filter tank

Backwash line connection

This recycle system uses the same technology as all unit for marinas and boat yards designed by The Next Generation. The trailer is a 12 ft. long X 77 inch wide with heavy duty tandem axles trailer can be move with water in the tanks for total portability, it can be moved from location to location inside the yard using a portable wash pad, or even to another marina.

Above ground separator tank

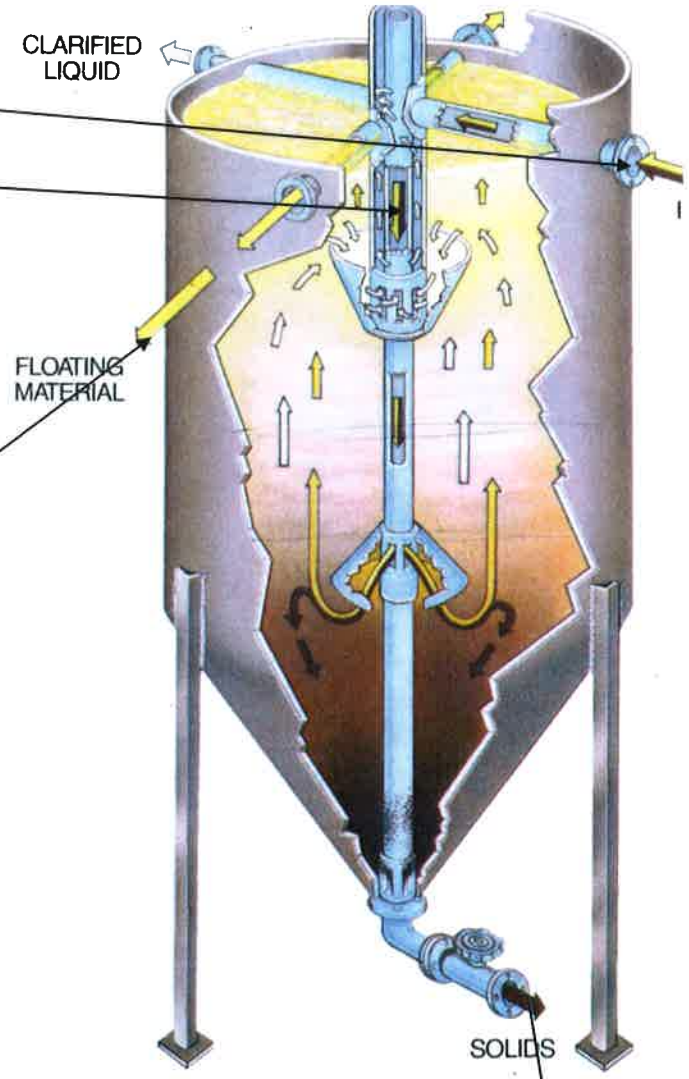
Inlet connection for sump pump

Recycle /Treatment tank.

Plastic enclosure for filters, pump, and controls.

THE NEXT GENERATION ABOVE GROUND SEPARATOR

The wash water from the sump is pumped to the inlet pipe at the top of the separator. The liquid flows downward in the center inlet pipe.
And is discharged into the separator, a truncated conical baffle ensures proper distribution of the incoming flow.
The conical configuration of the baffle forces the flow downward, accelerating separation of the solid particles by gravity. These particles continue down to the bottom as the direction of the liquid flow is turned upward. The upward gradient accelerates the flotation process, forcing any lighter floating material to the top of the tank, where it is skimmed off either continuously or intermittently.
Clarified liquid exits the separator over another conical baffle and through the annular space between an outlet pipe which surrounds the inlet pipe. The actual discharge point is several feet below the surface of the liquid level, to insure that the clarified liquid will be free from floating and settling contaminants. The external outlet port is connected to the treatment/storage tank for final treatment and filtration. Pressure washer general produce 3.5 to5 GPM using a flow of 5 GPM and a separator tank of 300 GALS the retention time is 30 minutes.



Solids that build up in the bottom of the separator are transfer to the bag filters by opening the inlet valve to the bag filters solids are captured in the bags and the liquid is returned to the wash pad then pumped back to the separator by the sump pump.

PNW EQUIPMENT, INC.

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- Flatracks
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- Open Tops
- Roll Trailers
- IP 2 Containers
- Gen Sets
- Platform Containers

DRY CONTAINERS




40' DRY CONTAINERS

DRY CONTAINERS FROM PNW EQUIPMENT

40' Long 8' Wide x 8' 6" Tall STANDARD
40' Long 8' Wide and 9'6" Tall HIGH CUBE

40' Containers are made with corrugated steel they have 2 interlocking doors on one end that open from the center outward. They have 2 places on the outside of the door for the customer to install there own pad lock. The containers have hardwood flooring inside.

40' containers are most commonly used for storage and shipping. Containers are used from the retail location to the homeowner just needing some additional space.

PNW can install a Lock Box on a container for added security. Please ask your sales associate for more details.

SPECS

Dimensions	40' Long 8' Wide x 8' 6" Tall STANDARD 40' Long 8' Wide and 9'6" Tall HIGH CUBE

Contact us for pricing **(800) 659-0147**

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WE ALSO RECOMMEND

10' Dry Containers