



*Engineered Aquaculture Solutions*

**FOR IMMEDIATE RELEASE**

## **AEG DEMONSTRATION SITE 6-MONTH PROGRESS: ECO-FRIENDLY OPERATIONS EVIDENT**

**ST. ANDREWS, NB – 9 JUNE 2010** – AEG Inc. (St. Andrews, NB) entered smolt on a high energy demonstration site in St. Mary’s Bay, Nova Scotia by December 2009. Results to date are very encouraging from using the advanced *AEG Solutions* to feed, contain and tend fish.

### **Fish Mortality**

The deployed *AEG Containment Systems* ensure a constant growing volume without excessive net bagging even in the high current conditions experienced on the site (93 cm/s = 1.8 knots). The cage performance reduces fish stress and mortalities throughout the grow-out cycle. Our results on this high energy site indicate a mortality rate that is on par with the industry **0.7%/month acceptable limit** for low energy site operations.

### **Fish Feeding**

Consistently feeding fish on high energy sites tends to be sacrificed with many days lost due to poor weather conditions. This is certainly the case while using feed boats as site crews are unable to safely visit the site during foul weather. Centralized air delivery feeders have the additional issue in high surface wave energy of breaking feed pipes that are kept on the water surface. **The deployed water delivery AEG Feeder fed consistently** during the winter/spring seasons compared with the observed number of days that would have been lost if relying on crew presence to complete feeding.

	# of Lost Feed Days (cages x days)					TOTAL (cage-days)
	Jan 2010	Feb 2010 *	Mar 2010	Apr 2010	May 2010	
AEG Feeder	2 x 0.5	2 x 0	1 x 1.5 1 x 5	2 x 0	2 x 0	7.5
Crew Feeding	2 x 10	2 x 4	2 x 13	2 x 9	2 x 8	88.0

\* 15 days in February were affected by ice presence and cold water temperatures and therefore missed regardless of feeding method.

### **Fish Growth**

Our exceptional fish growth in the cold winter/spring seasons reflects the high level of feeding reliability achieved with the AEG Feeder. All fish were entered by mid-December 2009 with an average weight of 0.091 kg when the water temperature was 5.3C and decreasing daily. The fish continued to grow during the coldest days of the grow-out cycle and by 7 June 2010 the **average fish weight was 0.372 kg** (water temperature was below 5C for 113 days during this same period).

### **Food Conversion Ratio**

During this reporting period, about 49 MT of feed was provided to the stock of fish. This resulted in an average **site biological Food Conversion Ratio of 0.98**. This FCR is very difficult to achieve on a high energy site while using any other feeding method. Our FCR combined with excellent fish growth clearly indicates that very little of the feed provided to the fish stock is wasted during the feeding process. All AEG Feeder programming occurs in an office 260 km away from the site. The site is maintained by just three salaried employees and no cameras are used to feed fish.

Prospective AEG customers are encouraged to visit the demonstration site at which time all site performance data and operations can be reviewed. Videos illustrating site operations can be viewed on the AEGSolutions Youtube channel at:

<http://www.youtube.com/user/AEGSolutions>.

### **About AEG**

AEG Inc. provides professionally engineered equipment and management solutions to the marine aquaculture industry, particularly those operations sited in medium- and high-energy environments. *AEG Solutions* must meet five sustainability criteria to ensure our product portfolio is: socially acceptable, cost-effective, eco-friendly, professionally engineered, and robust for survival. Our own line of innovative technologies coupled with those provided through strategic business partnerships allows AEG to supply turn-key systems that meet global client needs.

For company details, please visit <http://www.aeg-solutions.com>. Videos illustrating the operational use of AEG Solutions can be viewed on the AEGSolutions Youtube channel at: <http://www.youtube.com/user/AEGSolutions>. For more information and purchasing, please contact:

Chris Bridger, General Manager  
AEG Inc.  
Tel: +1-506-529-8467  
Skype: cjbridger  
Email: [chris.bridger@aeg-solutions.com](mailto:chris.bridger@aeg-solutions.com)  
Youtube Channel: AEGSolutions

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