

## Binh Quoi Tourist Village Pond, Vietnam

TST had a contract to treat a pond which is polluted with organic matters and high concentration of algae in Binh Quoi tourism zone, Ho Chi Minh City.

Area of this pond is about 600 square meter and 1 meter deep. It is home to many fish and receives sewage from Binh Quoi resort and Restaurants. Water level in the pond is effected by tide.



Figure1: The pond is polluted with organic matter and high concentration of algae.

1.8 liters of AquaClean Algway T60 was diluted with water at 1:15 ratio and sprayed evening over the pond surface.



Figure 2: A worker is spraying T60 diluted with clean water into the pond

7 days after the dosing of Algway T60, AquaClean ACF32 was applied with the following dosage:-

For the first month applied:

Dosing	Initial inoculation	15 ppm (9 liters)
	8 <sup>th</sup> day	6,5 ppm ( 4 liters)
	15 <sup>th</sup> day	6,5 ppm (4 liters)
	22 <sup>nd</sup> day	6,5 ppm (4 liters)
	29 <sup>th</sup> day	6,5 ppm (4 liters)

Monthly Maintenance dosage:

The first week:	3,5 ppm ( 2 liters)
The second week:	3,5 ppm ( 2 liters)
The third week:	3,5 ppm ( 2 liters)
The fourth week:	3,5 ppm ( 2 liters)

BioAktiv was applied from the end of the first month and the dosing as following:

Initial inoculation	4 kg/ month
Maintenance dosing	2 kg/ month

We had completed the treatment contract after three month proceeding.

Water sample result of the treatment was tabulated below:-

No.	Monitoring Parameters	Unit	Before Treating	After Three Months Treating	Standard (TCVN 6772-2000)
1	NO <sup>3-</sup>	mg/l	8,4	0,3	30
2	pH	mg/l	5,85	6,66	5,0 – 9,0
3	Vegatable oil and grease	mg/l	14,2	2,8	20
4	PO <sub>4</sub> <sup>3-</sup>	mg/l	2,6	undetected	6
5	SS	mg/l	49	24,2	50
6	H <sub>2</sub> S	mg/l	8,62	undetected	3,0
7	Dissolve solid	mg/l	3200	246,0	500
8	Settling solid	mg/l	24,5	1,0	0,5
9	BOD	mg/l	84	18	30