



# GUJARAT POLLUTION CONTROL BOARD

PARYAVARAN BHAVAN

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NCT

25 JUL 2018

By R.P.A.D.

Consolidated Consent and Authorization (CC & A - Amendment)

NO: GPCB/ANK/CCA-1835(3)/ID-28312/461366 Date: 11/07/2018

Amendment in CCA order No: AWH-83798, issued dated 09/03/2017 for revision of effluent discharge norms.

To,  
M/S. NARMADA CLEAN TECH (NCT)  
(OLD NAME: BHARUCH ECO AQUA INFRASTRUCTURE LTD).,  
JAGHADIA PIPELINE PROJECT.,  
SURTI BHAGOL, NR. GUJARAT GAS OFFICE,  
UMARWADA ROAD, ANKLESHWAR,  
DIST: BHARUCH.

SUB: Amendment in Consolidated Consent & Authorization (CC&A) under various Environmental Acts/ Rules - Reg. revision of effluent discharge norms.

REF: (1) Your previous CCA No. AWH-83798, issued dated 09/03/2017

Sir,

The Board has issued a Consent to Operate (CC&A) for your industry/ operation vide No. AWH-83798, issued dated 09/03/2017 having validity up to 16/05/2021.

The norms / standards were prescribed in the said consent to operate (CC&A) for the discharge of treated effluent in to Kantiyajal booster (Jhagadiya-to- Kantiyajal) Pumping Station, Village: Kantiyajal, Dist: Bharuch.

Now, based on the recommendations of the norms committee, the Board has revised outlet norms for the Jhagadia pipeline project of NCT.

## A. CONDITION UNDER THE WATER ACT:

(1) Condition no. 7.3 shall be read as under:

The effluent conforming to the below standards shall be discharged into Kantiyajal booster (Jhagadiya-to- Kantiyajal) Pumping Station, Village: Kantiyajal, Dist: Bharuch. Ultimately this treated effluent after mixing with treated industrial effluent from FETP will be in Booster Pumping Station (BPS) Sump at Kantiyajal pumped into deep sea discharge pipeline from there it will be at the point designated by NIO i.e. Latitude 21° 28' 10.2" N Longitude 72° 33' 45" E.

Parameters	Max. permissible values (in milligram/liter except for pH and Temperature) for discharge of treated effluent into sea
pH	6-9
Biological Oxygen Demand, BOD <sub>5</sub> , 27° C	100
Chemical Oxygen Demand (COD)	250
Total Suspended Solids (TSS)	100
Temperature, ° C	Shall not exceed more than 5° C above ambient water temperature
Oil & Grease	10

Parameters	Max. permissible values (in milligram/liter except for pH and Temperature) for discharge of treated effluent into sea
Ammonical -Nitrogen	50
Total Kjeldahl Nitrogen (TKN)	50
Nitrate- Nitrogen	50
Flouride	15
Sulphides, as S	5
Phenolic compounds (as C <sub>6</sub> H <sub>5</sub> OH)	5
Total Residual Chlorine	1
Zinc	15
Iron	3
Copper	3
Trivalent Chromium	2
Manganese	2
Nickel	3
Arsenic	0.2
Cyanide, as CN	0.2
Vanadium	0.2
Lead	0.1
Hexavalent Chromium	0.1
Selenium	0.05
Cadmium	0.05
Mercury	0.01
Bio-assay test	90 % Survival of fish after 96 hours in 100 % effluent.
Colour & Odor	All efforts shall be made to remove Colour & unpleasant odour as far as possible
Insecticides / Pesticides	Absent

**Note:** Norms/standard prescribed through earlier consent stands deleted & Norms/Standard prescribed in condition (1) above shall be adhered to henceforth.

**B.** All other conditions of CCA order No: AWH-83798, issued dated 09/03/2017 will remain same.

For and on behalf of  
GUJARAT POLLUTION CONTROL BOARD

  
(G. H. TRIVEDI)  
SR. ENVIRONMENT ENGINEER