

Dated: 20/06/2018

To,

The Sr. Environmental Engineer, WMC- I
Department of Environment,
Govt. of NCT of Delhi,
4th Floor, ISBT Building,
Kashmere Gate,
Delhi-110006

AS
25/6/18

(ENQUIRY COUNTER)
DELHI POLLUTION CONTROL COMMITTEE
DEPARTMENT OF ENVIRONMENT
GOVT. OF NCT OF DELHI
4TH FLOOR, ISBT BUILDING,
KASHMERE GATE, DELHI-110006

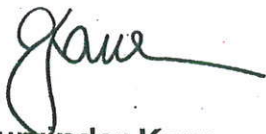
Subject: Submission of Form- IV

Dear Sir/Madam,

Please find attached herewith the Form IV (Annual Report of Bio-Medical Waste generated in our hospital for **January 2017 to December 2017**).

Thanking you,

Yours Sincerely,

For Fortis Hospotel Limited

Dr. Gurvinder Kaur
Medical Superintendent

Encl: Annexure – 1
Annexure – 2
Annexure - 3

FORM IV

ANNUAL REPORT

[To be submitted to the prescribed authority on or before 30th June every year for the period from January to December of the preceding year, by the occupier of health care facility (HCF) or common bio-medical waste treatment facility (CBWTF)]

S.No.	Particulars		
1.	Particulars of the Occupier	:	
	(i) Name of the authorised person (occupier or operator of facility)	:	Dr Gurvinder Kaur
	(ii) Name of HCF or CBMWTF	:	FORTIS HOSPOTEL LIMITED, SHALIMAR BAGH
	(iii) Address for Correspondence	:	A-Block, Shalimar Bagh, Delhi -110088
	(iv) Address of Facility	:	A-Block, Shalimar Bagh, Delhi -110088
	(v) Tel. No, Fax. No	:	011-45302222, 011-45302211
	(vi) E-mail ID	:	gurvinder.kaur@fortishealthcare.com
	(vii) URL of Website	:	-
	(viii) GPS coordinates of HCF or CBMWTF	:	Yes, Observed to be in place during round to the CBMWTF
	(ix) Ownership of HCF or CBMWTF	:	Private (Public)
	(x) Status of Authorisation under the Bio-Medical Waste (Management and Handling) Rules	:	Authorisation No.: DPCC/BMW/AUTH/NEW NO/2015/01476 valid up to <u>26/06/2017</u> <u>Renewal applied on 29/05/2017</u>
	(xi) Status of Consents under Water Act and Air Act	:	Valid up to: <u>14/07/2019</u>
2.	Type of Health Care Facility	:	HCF
	(i) Bedded Hospital	:	262

S.No.	Particulars		
	(ii) Non-bedded hospital (Clinic or Blood Bank or Clinical Laboratory or Research Institute or Veterinary Hospital or any other)	:	NA
	(iii) License number and its date of expiry	:	License Number: DGHS/NH/882 License Date of Expiry: 31.03.2020
3.	Details of CBMWTF	:	Biotic Waste Solutions Pvt. Ltd.
	(i) Number healthcare facilities covered by CBMWTF	:	CBMWTF will provide the details
	(ii) No. of beds covered by CBMWTF	:	CBMWTF will provide the details
	(iii) Installed treatment and disposal capacity of CBMWTF:	:	CBMWTF will provide the details
	(iv) Quantity of biomedical waste treated or disposed by CBMWTF	:	CBMWTF will provide the details
4.	Quantity of waste generated or disposed in Kg per annum (on monthly average basis)	:	Yellow Category: 4590.63 + 106.73 Red Category: 2429.30 White: 500.41 Blue Category : 1265.21 General Solid waste: 1500 + 3000
5.	Details of the Storage, treatment, transportation, processing and Disposal Facility		
	(i) Details of the on-site storage facility		Size: 167 Sq Ft + 178 Sq Ft
			Capacity: 15,000 kg per month
			Provision of on-site storage : NA

S.No.	Particulars				
	(ii) Disposal facilities	Type of treatment equipment	No. of units	Capacity Kg/day	Quantity treated or disposed in kg per annum
		Incinerators			
		Plasma Pyrolysis			
		Autoclaves			
		Microwave			
		Hydroclave			
		Shredder			
		Needle tip cutter or destroyer			
		Sharps encapsulation or concrete pit			
		Deep burial pits:			
		Chemical disinfection:			
		Any other treatment equipment:			
	(iii) Quantity of recyclable wastes sold to authorize recyclers after treatment in kg per annum.	Red Category (like plastic, glass etc.) CBMWTF will provide the details			
	(iv) No of vehicles used for collection and transportation of biomedical waste	CBMWTF will provide the details			
	(v) Details of incineration ash and ETP sludge generated and disposed during the treatment of wastes in Kg per annum		Quantity generated	Where disposed	
		Incineration Ash			
		ETP Sludge			
		CBMWTF will provide the details			
	(vi) Name of the Common Bio-Medical Waste Treatment Facility Operator through which wastes are disposed of	Biotic Waste Solutions Pvt. Ltd.			
	(vii) List of member HCF not handed over bio-medical waste	CBMWTF will provide the details			

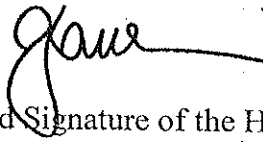
S.No.	Particulars	
6.	Do you have bio-medical waste management committee? If yes, attach minutes of the meetings held during the reporting period	Yes Minutes of the Meeting attached
7.	Details trainings conducted on BMW	
	(i) Number of trainings conducted on BMW Management.	150
	(ii) number of personnel trained	1889
	(iii) number of personnel trained at the time of induction	639
	(iv) number of personnel not undergone any training so far	14
	(v) Whether standard manual for training is available?	Yes
	(vi) any other information)	NA
8.	Details of the accident occurred during the year	0
	(i) Number of Accidents occurred	0
	(ii) Number of the persons affected	0
	(iii) Remedial Action taken (Please attach details if any)	NA
	(iv) Any Fatality occurred, details	NA
9.	Are you meeting the standards of air Pollution from the incinerator? How many times in last year could not met the standards?	NA (CBMWTF Responsibility)
	Details of Continuous online emission monitoring systems installed	NA (CBMWTF Responsibility)

S.No.	Particulars	
10.	Liquid waste generated and treatment methods in place. How many times you have not met the standards in a year?	Yes Always compliant with the standards
11.	Is the disinfection method or sterilization meeting the log 4 standards? How many times you have not met the standards in a year?	Yes Always compliant with the standards
12.	Any other relevant information	NA (CBMWTF Responsibility)

Certified that the above report is for the period from 01.01.2017 upto 31.12.2017

Date: 20.06.2018

Place: Shalimar Bagh, Delhi


Name and Signature of the Head of the Institution

Dr. Gaurvinder Kaur

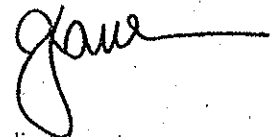
FORM I
ACCIDENT REPORTING
(Annual report from 1st Jan 2017 -31st Dec 17)

- | | |
|--|-----|
| 1. Date and time of accident: | Nil |
| 2. Type of Accident: | Nil |
| 3. Sequence of events leading to accident: | Nil |
| 4. Has the Authority been informed immediately: | Nil |
| 5. The type of waste involved in accident: | Nil |
| 6. Assessment of the effects of the accidents on human health and the environment: | Nil |
| 7. Emergency measures taken: | Nil |
| 8. Steps taken to alleviate the effects of accidents: | Nil |
| 9. Steps taken to prevent the recurrence of such an accident: | Nil |
| 10. Does you facility has an Emergency Control policy? If yes give details: | Nil |

Date : 20.06.2018

Place- Delhi

Signature



Designation- Medical Superintendent



DELHI POLLUTION CONTROL COMMITTEE

ANNEXURE - 2

(Government of N.C.T. of Delhi)

5th Floor, I.S.B.T. Building, Kashmere Gate, Delhi - 110006

Website: <http://www.dpcc.delhigovt.nic.in>

Result No: DPCC/Comm/W/30052/1855

25/02/2018

Date: 05-02-2018

ANALYSIS REPORT OF WATER EFFLUENT

1. Name & Address of Ind./Unit: M/S FORTIS HOSPITAL
FORTIS HOSPITAL SHALIMAR
BAGH,
Delhi-110070
2. Sampling Location: Outlet of STP
3. Date of sampling: 29-01-2018
4. Sample collected by: DPCC Lab
5. Control Measure (if any): STP
6. Nature of sample: Grab
7. Nature of Industry: Health Care Establishments having bed strength above 50 beds and connected or not connected to Sewer and with boiler
8. Parameters analyzed and results:

S.No.	Parameters	INLET OF STP	OUTLET OF STP	Prescribed Standard
1	pH	7.7	7.4	6.5-9
2	Total Suspended Solids (TSS)	116	58	100
3	Oil and Grease	12.0	1.6	10
4	Bio-chemical oxygen demand (3 days at 27°C)	95	26	30
5	COD	284	76	250
6	Bio-assay test (percent survival of fish after 96 hours in 100 percent effluent)	0	90	90-100

All parameters are in mg/l except pH.

Dr. Nandita Moitra

(SR. SCIENTIST)

DR. NANDITA MOITRA

Senior Scientist

Delhi Pollution Control Committee

5th Floor, ISBT Building,

Kashmere Gate, New Delhi-110006

Mr. Arvind Kumar

(SR. SCIENTIFIC ASSISTANT)



DELHI POLLUTION CONTROL COMMITTEE

(Government of N.C.T. of Delhi)

4th Floor, I.S.B.T. Building, Kashmere Gate, Delhi - 110006

Website : <http://www.dpcc.delhigovt.nic.in>

ANNEXURE - 2

Result No : DPCC/Comm/W/26608 /RBS

DT 25/1/2017

Date : 24-01-2017

ANALYSIS REPORT OF WATER EFFLUENT

- Name & Address of Ind./Unit : M/s FORTIS HOSPITAL
FORTIS HOSPITAL SHALIMAR BAGH,
Delhi-110070
- Sampling Location : Outlet of STP
- Date of sampling : 16-01-2017
- Sample collected by : DPCC Lab
- Control Measure (if any) : STP
- Nature of sample : Grab
- Nature of Industry : Health Care Establishments having bed strength above 50
beds and connected or not connected to Sewer and with boiler

8. Parameters analyzed and results:

S.No.	Parameters	OUTLET OF STP	Prescribed Standard
1	pH	7.6	6.5-9
2	Total Suspended Solids (TSS)	20	100
3	Oil and Grease	0.8	10
4	Bio-chemical oxygen demand [3days at 27°C]	10	30
5	COD	40	250
6	Bio - assay test (percent survival of fish after 96 hours in 100 percent effluent)	90	90-100

All the parameters are in mg/l except pH value.

N. Mitra

SR. SCIENTIST

Senior Scientist
Delhi Pollution Control Committee
4th Floor, I.S.B.T. Building
Kashmere Gate, New Delhi-110006

[Signature]
SR. SCIENTIFIC ASSISTANT



DELHI POLLUTION CONTROL COMMITTEE
(Government of N.C.T. of Delhi)
4th Floor, S.B.T. Building, Kashmere Gate, Delhi - 110006
Website : <http://www.dpcc.delhigovt.nic.in>

ANNEXURE-2

Result No.: DPCC/Comm/W/27936/449

13/06/2017

Date : 12-06-2017

ANALYSIS REPORT OF WATER EFFLUENT

1. Name & Address of Ind./Unit : M/s FORTIS HOSPITAL
FORTIS HOSPITAL SHALIMAR
BAGH,
Delhi-110070
2. Sampling Location : Outlet of STP
3. Date of sampling : 05-06-2017
4. Sample collected by : DPCC Lab
5. Control Measure (if any) : STP
6. Nature of sample : Grab
7. Nature of Industry : Health Care Establishments having bed strength above 50 beds
and connected or not connected to Sewer and with boiler
8. Parameters analyzed and results:

S.No.	Parameters	INLET OF STP	OUTLET OF STP	Prescribed Standard
1	pH	7.3	7.6	6.5-9
2	Total Suspended Solids (TSS)	96	34	100
3	Oil and Grease	6.4	1.6	10
4	Bio-chemical oxygen demand [3days at 27°C]	52	19	30
5	COD	152	56	250
6	Bio - assay test (percent survival of fish after 96 hours in 100 percent effluent)	0	90	90-100

All parameters are in mg/l except pH.

N. Mitra
Dr. Nandita Mojtra
(SR. SCIENTIST)

Arvind Kumar
Mr. Arvind Kumar
(SR. SCIENTIFIC ASSISTANT)

BIOMEDICAL WASTE DETAIL

MONTH	RED		YELLOW		SHARP CONTAINER WHITE TRANSLUCENT		CARDBORD BOX WITH BLUE MARKING		YELLOW CYTOTOXIC	
	BAGS	KG	BAGS	KG	BAGS	KG.	BAGS	KG.	BAGS	KG.
JAN	1053	2299	1282	4308	1629	443.6	318	1150	4	3.15
FEB	1010	2382.9	1207	4332.4	1460	401.6	315	960.35	27	55.75
MARCH	1155	2412.6	1418	4389.1	1628	526.7	355	1034.8	40	75.63
APRIL	1158	2667	1374	4599	1569	515.9	343	910.6	31	78.25
MAY	1141	2970.2	1470	5443.5	1626	493.1	378	1009.1	31	65
JUNE	896	2490	1178	4645.6	992	388	317	1074.35	29	64.34
JULY	702	2194.8	903	4419.2	1636	598.7	269	1475.7	34	96.1
AUG.	728	2206	1037	4901.4	1651	722.9	271	1279	29	102
SEP.	746	2223.3	889	4128.3	1605	510.2	256	1411.8	26	111.1
OCT	681	2293	803	3956.2	1658	470.9	284	1479.1	30	170.4
NOV	615	2516.8	759	5047.8	1608	448.14	258	1599.3	47	190.1
DEC	650	2496.01	814	4917.08	1662	485.334	317	1798.462	60	268.94
TOTAL	10535	29151.61	13134	55087.58	18724	6005.074	3681	15182.56	388	1280.76