

Mohali

Fortis Hospital

Sector 62, Phase-VIII

Mohali - 160 062 Tel.: 91-172-469-2222, 91-172-502-1222 Fax: 91-172-4692221, 91-172-509-6221

Fax: 91-172-4692221, 91-172-509-6221 E-mail: contactus mohali@fortishealthcare.com

Website: www fortishealthcare com

To

The Environmental Engineer,

Punjab Pollution Control Board,

Plot 55, Phase 2,

S.A.S. Nagar, Mohali



Subject: Submission of Annual Bio-Medical Waste Report FY 2017(1st Jan 2017 to 31st Dec 2017)

Dear Sir,

Please find enclosed Annual Bio- Medical Waste Report for the year 2017 with below mentioned enclosures:

1. Annual Report

Form IV

2. Accident Reporting

Form 1

3. Specification for maintenance of BMW waste record month wise for the year 2017

With Best Regards,

Authorized Signatory

Fortis Healthcare Ltd, Mohali





A UNIT OF FORTIS HEALTHCARE LIMITED

Regd. Office: Fortis Hospital, Sector 62, Phase - VIII, Mohali - 160062 CIN No.: L85110DL1996PLC076704

Fortis SPECIALITY Hospital

Form - IV (See rule 13) 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)]

SI.	Particulars	1		
1	Particulars of the Occupier	+-		
	(i) Name of the authorised person (occupier er operator of facility)	2	Mr. Abhijit Singh	
	(ii) Name of HCF or CBMWTF	1:		
	(iii) Address for Correspondence	1:	FORTIS HEALTHCARELTD	
	(iv) Address of Facility	-	FORTISHEALTHCARE LTD: CLO	
	(v)Tel. No, Fax. No	-	FORTIS MOSPITAL, SEC-62,	
	(vi) E-mail ID	į.	1 111 44 4 1 1 1 1	
Ň	(vii) URL of Website	1	abhijit. singn@ furtis health	
	(viii) GPS coordinates of HCF or CDMWTF	-	wurs. Fartishealthcare.	
	(ix) Ownership of HCF or CBMWTF		NL -30.413832 EL 76.	
	() The sumper state of Children		(State Government or Private or Semi Govt. or any other)	
	(x). Status of Authorisation under the Bio-Medical Waste (Management and Handling) Rules		Authorisation No.: 2.DI./S.AS.NASARJ.B.M/2014- V-14valid up to .31.03-2	
	(xi). Status of Consents under Water Act and Air Act	:	Valid up to: WATER CONSENT 31-03. 2018 AIR CONSENT 31-03-2018	
	Type of Health Care Facility		HOSPITAL	
1	(i) Bedded Hospital		No. of Beds:36 0	
1	(ii) Non-bedded hospital		NA	
	(Clinic or Blood Bank or Clinical Laboratory or Research Institute or Veterinary Hospital or any other)			
	(iii) License number and its date of expiry		- NA -	
	Details of CBMWTF		-NA-	
- 1	(i) Number healthcare facilities covered by CBMWTF		- NA	
	(ii) No of beds covered by CBMWTF	:	-NA	
1	(iii) Installed treatment and disposal capacity of CBMWTF:	•	N∰ Kg per day	



	(iv) Quantity of biomedical waste treated or disposed by CBMWTF			÷	NILK	(g/day			
1.	Quantity of waste generated or dispos annum (on monthly average basis)			70	Yellow Red Cat White: Blue Ca General	egory ; tegory ; Solid w	7 50 2.3	5941-03 K 932-221 K 29-958 K 217-617 (mth (Avn) Abm
•	Details of the Storage, treatment, transp	ortati	on, process	ing a	nd Dispo:	sal Facil	ity	7/7	2774 kg mith
	(i) Details of the on-site storage facility	×	Size Capacity	4	450-				(Kitchentis)
		The second secon		n of	on-site :	Kald	col	d storage or	
	(ii) Details of the treatment or disposal facilities	F	Type o		eatment	No of unit s	Cap acit y Kg/ day	Quantity treatedo r disposed in kg per	
			Autoc Micro Hydro Shredo Needlo	ma Pyrol oclaves rowave roclave	rolysis S				
			Sharps encaps concre Deep I Chemi disinfo	sulation of the control of the contr	it Il pits: n: treatment		N	· A	
	(iii) Quantity of recyclable wastes sold to authorized recyclers after treatment in kg per annum.	10	Red Cate		(like plas - N 4	-	s etc.)		
	(iv) No of vehicles used for collection and transportation of biomedical waste	86		_	NA				
	(v) Details of incineration ash and ETP sludge generated and disposed		_		Quar gene	itity rated		ore posed	

pe	ring the treatment of wastes in Kg		Incineration Ash ETP Sludge
Me Op dis	Name of the Common Bio- edical Waste Treatment Facility perator through which wastes are sposed of	÷	MIS RAINBOW ENVIRONMENTS PYT. VILLAGE BALYALÎ KALAN, TEHSILI DISTT. MOHALÎ
	i) List of member HCF not handed er bio-medical waste.		_ NA -
ma mir	you have bio-medical waste magement committee? If yes, attach nutes of the meetings held during reporting period		(Minutes of meeting Attached)
	tails trainings conducted on BMW		Attached
(i)	Number of trainings conducted on IW Management.		56
	number of personnel trained		3484
(iii	number of personnel trained at time of induction		1277
unc	number of personnel not dergone any training so far		NIL
trai	whether standard manual for ning is available?		Yes
	any other information)		-NAI-
dur	ails of the accident occurred ing the year		Majornil
	Number of Accidents occurred		Needlestich Injuny (63)
	Number of the persons affected	- 1	6> (Internal benchmand
	Remedial Action taken (Please ch details if any)		Needlestich mjung (63) . 67 (Internal benehmand Vaccineties Training done
	Any Fatality occurred, details.		NIC
Pol	you meeting the standards of air lution from the incinerator? How		Air Stach Emissions as
the	ny times in last year could not met standards?		Air Stach Emissions as well Indow air quality Maintained at tacility (FH)
mor	ails of Continuous online emission nitoring systems installed		NO -
met	hods in place. How many times have not met the standards in a		Yes - As per standards I nams
l ls steri	the disinfection method or lization meeting the log 4		Yes - Disinfection methods Estandard maintained as peine



	standards? How many times you have not met the standards in a year?		NIL
12	Any other relevant information	·	(Air Pollution Control Devices attached with the Incinerator)

Certifi	ed that the above report is for the period	d from
	C. H. C.	unnary 2017 to 318+ Dec, 2017

		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
	*************	Production of the Production o
Date: Place	31 St January, 2018 Mohali	Name and Signature of the Head of the Institution Abhijit Singh (Facility Director)

BIOMEDICAL WASTE RECORD 2017

3		Red Category	tegory	Yellow Category	ategory	Cytotoxic/ Yellow Category	/ Yellow gory	Blue Category	tegory	White Category	ategory
S. No	Month	Total Bags	Total	Wt. Total Bags	Total Wt.	Total Bags	Total Wt.	Total Bags Total Wt. Total Bags Total Wt. Total Bags	Total Wt.	Total Bags	Total Wt.
-	Dec-17	1248	6945.085	806	4281.2	28	180.555	209	1723.24	157	400.27
2	Nov-17	1318	7641.835	1013	4966.31	32	220.13	250	2217.535	205	537.3
m	Oct-17	1291	6956.42	1071	4871.85	24	151.59	300	2441.4	168	437.78
4	Sep-17	1521	8357.24	1261	5768.04	32	166.49	309	2607.38	178	518.37
r.	Aug-17	1596	8873.89	1190	5552.58	28	164.79	311	2521.24	189	375.67
, ,	Jul-17	1367	6940.54	1208	5270.92	22	125.8	313	2457.53	170	350.26
7	lun-17	1706	8658.15	1416	6135.31	30	185.14	243	2139.23	192	484.15
00	Mav-17	1758	9882.22	1442	6768.76	32	205.22	307	2487.44	230	585.76
σ	Anr-17	1555	8202	1309	7114.61	36	233.11	272	1932.78	232	614.04
10	Mar-17	1734	8247.91	1482	6837.32	34	253.63	321	2204.83	250	722.57
=	Feb-17	1597	7297.65	1385	5698.88	32	224.38	272	1938.38	212	540.6
12	Jan-17	1646	7183.71	1753	5680.68	30	235.11	255	1940.42	188	552.72
	Total	18337	95186.65	15438	68946.46	360	2345.95	3362	26611.41	2371	6119.49
Month	Monthly Average	1528.083	7932.221	1286.500	5745.538	30.000	195.495	280.167	2217.617	197.583	509.958
Daily	Daily Average	50.238	260.785	42.296	188.894	0.986	6.427	9.211	72.908	6.496	16.766



ed (Rs.) 0 0 0 0 0 0 0 0 0 0 0 35 -Procedural -Oi N en 'n N 4 in m m ব Needle Stick Incidence . мирив виверсв -4 2 -2 -01 0 BBE Exposince due to injury 19 nothtratgea gnorW. Ħ. m N 64 10 m 'n σı -2 +4 HK Categories of Needle 1 necinical --#4 ----Stick Injury. (CI) rv. H n -400 9 +1 H м 990(8)] PN. d m 25 m 68 O. LÓ. N Murie m 4 -H Notice C m ** 8 nnl sinot + ** DANI 17 Sample Collection H m ++ Triage T + DISINZIE ++ 02 YDOJOIGAS n BAJ HTA9 + --NEEDLE STICK INJURY 2017 Area Distribution of Needle Stick Injury (2017) 24 ** -CATH LAB 5 4 100 N TO OHTRO н +4 1 ++ н ** LOSW ÷ * m * eicn r-t rt N OICB -GdO + 1 nois -۳ **MOSIN** . н MICH 9 H. MICH -9 4 --2 +4 noids * Blood Bank 10 --1 (100 2 4 2 + -94 = -VV 64 н ZV 04 TV Source known/ vaccinated Source known/ vaccinated Source known/ Source known/ vaccinated Source known/ Source known/ Source known/ Source known/ Source known/ Source known/ Action Taken Source known/ vaccinated vaccinated Source known/ vaccinated vaccinated vaccinated vaccinated vaccinated vaccinated vaccinated No. of Injury 63 10 9 ø 10 ND: 4 September November December October August Total February March Month January April June July May 17 10 Ξ 0 SNo 1 9 Ħ. W) N m -1

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FORM – I [(See rule 4(o), 5(i) and 15 (2)]

ACCIDENT REPORTING

- 1. Date and time of accident: Needle Stich zijury (Asperamenue III)
- 2. Type of Accident: Needle Stich Injury
- 3. Sequence of events leading to accident: During segregation/ sujection
- 4. Has the Authority been informed immediately:
- 5. The type of waste involved in accident:
- 6. Assessment of the effects of the Safety vaccination was done, accidents on human health and the environment:
- 7. Emergency measures taken: Trainings provided to all healthcare providers
- 8. Steps taken to alleviate the effects of accidents: Procederal trenings/segregat
- 9. Steps taken to prevent the recurrence of such an accident : Continuous Trainly
- 10. Does you facility has an Emergency Control policy? If yes give details: NO

Date: 31-01-2017
Place: Mohali

Signature ... FACILITY DIRECTOR

MINUTES OF MEETING

FHM-BMW COMMITTEE (13th Dec 2017)

NAME OF UNIT -- Fortis Hospital Mohali

NAME OF COMMITTEE: Bio-Medical Waste Committee

- 1. Date & Time: 6.7.2017 (3pm 4 pm)
- $\mathcal{F} = \{j_1, j_2, j_3, j_4, j_5, j_6\}$ 2. Total no. of Members present in the meeting: 11
- 3. Agenda circulated prior to meeting (Yes/No): Yes

List of Attendees:

- 1. Dr Anita Sharma-Infection Control Officer, Lab Head -BMW Chairperson
- 2. Joice Thomas-Assistant Chief of Nursing
- 3. Harjit Lubana-Assistant Chief of Nursing
- 4. Neeraj Tandon-Engg Head
- 5. Dr Tanvi Sood-Quality Head
- 6. Dr Apra Kalra-Head Blood Bank
- 7. Rajesh Sharma- Housekeeping Head
- 8. Dr Rajni Pathak-Quality Officer
- 9. Dr Pooja Singh-Microbiologist , Blood bank
- 10. Sheila Tirkey-ICN
- 11. Jyoti Sharma-ICN

AGENDA

- The latest conversation/Directions from PPCB (if any)
- Status of ETP-OT/Lab
- Clarification from PPCB-regarding 10% Hypochlorite
- Status on Non chlorinated bags-Waste bags and Blood bags
- Cardboard Box marking and placement solutions
- Compliance of BMW Training and self-assessment on Oracle-Current status

regarding reference of VIREX efficient for
decontaminated of blood (wrt all
 blood borne pathogens)

Date and Time of Next Meeting: To be arranged.

Signature of Chairman and Secretary

Dr Anita Sharma

I'm, Tudy Sheila Tirkey

(Chairman)

(Secretary)

Bio Medical Waste Management Committee

ATTENDENCE SHEET

Subject : BMW Committee Meeting	Date: 13.12.2017
Venue: Board room, Fortis Hospital Mohali	Time: 3pm-4pm

S. No	Name	Department	Signatures
1.	DR. TANN SOOD	QUALITY ASSURANCE	Janiford
2.	Dr Anile Shame	Les Med.	die than.
3	Rajesh Shama.	House keeping	time
4.	Di lapi	PHC 0	Mah
5.	a ffre Kare	Broom Bank	lhu
6.	De Paga	Groad Bank.	7
7	Harris Cers.	Acon	Jery11 Cec
8	Join Thomas	ACAN	4
9.	Neerof	Engs.	Mauda
10	Tysti Sharma	1000	leni-
11.	Shirta Tirky (Kispota	1cm	Shine
	2.0		
			**
		-	

Bio Medical Waste Management Committee

ATTENDENCE SHEET

Subject : BMW Committee Meeting	Date: 6 7-17
Venue: Board room, Fortis Hospital Mohali	Time: 3 - 4 pm.

Dr. Tanni Jood	8,A	2 0.1
3 1 .		Lanylod
De Apre belle	Blood black	Abse
Dr. Anila Shaima	Las Med	Anice
Rajesh Shama	Haucker bing	timt.
	Engineerly	Hounder
	QA()	& Prathaval
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	Regesh Sharma Neerey Tounders & Jashe Kane & Mardeep haus Raybir Kam dulakh Subbash Roson Share Turkey	Neerey Tourdon Engineerly M. Shwelle frabhalian QA) DK. Jastre Karre AMS DK. Mardeep haus MOT-word Raphiv Kam dulukh Nsq Subbash Rosan C. 3.3 to Share Turkey 10N

MINUTES OF MEETING

FHM-BMW COMMITTEE (6th July 2017)

NAME OF UNIT - Fortis Hospital Mohali

NAME OF COMMITTEE: Bio-Medical Waste Committee

- 1. Date & Time: 6.7.2017 (3pm 4 pm)
- 2. Total no. of Members present in the meeting: 12
- 3. Agenda circulated prior to meeting (Yes/No): Yes

List of Attendees:

- 1. Wg. Cdr. GBS Kang-MD
- 2. Dr Anita Sharma-Infection Control Officer, Lab Head
- 3. Dr Jasbir Kaur-AMS
- 4. Rajbir Kaur-Assistant Chief of Nursing
- 5. Neeraj Tandon-Engg Head
- 6. Dr Shweta Prabhakar-Head Quality Assurance
- 7. Dr Tanvi Sood-Quality officer
- 8. Dr Apra Kalra-Head Blood Bank
- 9. Rajesh Sharma- Housekeeping Head
- 10. Dr Navdeep Kaur-MSOT Co-ordinator
- 11. Sheila Tirkey-ICN
- 12. Subhash Prasad-CSSD Supervisor

AGENDA

- Selection of a new Chairperson to the BMW Committee.
- Update on the progress made from the last minutes of meeting.
- BMW training and self-assessment-Lessons learnt from last year.
- Discrepancies noted in Hospital wide BMW audit.
- Liquid Biomedical Waste/Chemical Waste generated out of disinfection processes -To be treated
 with 10% Hypochlorite solution before disposal in STP-Status
- Broken glass/ampoules/Intact glass bottles to be discarded in cardboard boxes with blue marking – Can we use Plastic crates to hold the cardboard boxes?

The following points were discussed and responsibilities and timelines were agreed as in the table below.

S.No.	Issues	Responsibility	Expected Closure Date	Action points	Remarks
1	Selection of New Chairperson to BMW committee	FD	31 st July	Mall to be sent to FD regarding selection	Members unanimously propose Dr Anita Sharma's name
2	Placement of cardboard boxes for glass waste.	Rajesh Sharma	With immediate effect	Cardboard box to be placed inside plastic crates if kept on the floor.	PPCB is looking into some concerns regarding usage of cardboard boxes and it is likely to be amended.
3	Liquid Biomedical Waste/Chemical Waste generated out of disinfection processes To be treated with 10% Hypochlorite solution before disposal in STP	Neeraj Tandon	On going	One ETP machine is being pilot tested. The Unit to take special sanction for procurement of the second machine.	This process is under discussion with PPCB and efficacy of Hypochlorite solution for chemicals is being questioned. Few amendments from PPCB are likely.
4	Hepatitis 8 & Tetanus vaccination for all HCW	Dr Parvinder Chawla	On going	Vaccination camp to be organised to cover all HCW.	New joinees are already being offered. Will be a part of Annual health check-up.
5	Annual IC BMW Training and self-assessment in Oracle	HR/IC Team	Aug-Dec 2017	Hard copies of self - assessment to be uploaded in Oracle later by HR for senior clinicians.	To be discussed with HR-Kanwal Kaur Sandhu.
6	BMW mgmt. process audit to be done quarterly.	IC/Engg/Quality	First audit to be done in Sept 2017.	Checklist to be made by 31 st July.	To strengthen BMW process and be prepared for any internal/external audits.

Date and Time of Next Meeting: To be arranged.

Signature of Chairman and Secretary

Sheila Tirkey

(Secretary)

(Chairman) By