

To

Date 12.06.2024

The Environmental Engineer,
Punjab Pollution Control Board,
Plot No. 55, Phase 2,
S. A. S. Nagar (Mohali).



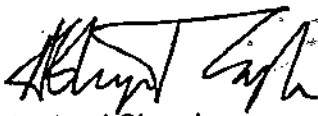
Sub: Submission of Annual Bio-Medical Waste Report FY 2023 (1st Jan 2023 to 31st Dec 2023)

Dear Sir,

Please find enclosed the Annual Bio-Medical Report for the year 2023 with below mentioned enclosures.

1. Annual Report Form IV
2. Accident Reporting Form 1
3. Annexure -1 for Biomedical waste details month wise for the year 2023
4. Annexure -2 for Needle stick injury details month wise for the year 2023

With Best Regards


Authorized Signatory

For 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)]

Sl. No.	Particulars	
1	Particulars of the Occupier	
	(i) Name of the authorized person (occupier or operator of facility)	ABHJIT SINGH
	(ii) Name of HCF or CBMWTF	FORTIS HEALTHCARE LTD
	(iii) Address for Correspondence	C/O FORTIS HOSPITAL, SECTOR 62
	(iv) Address of Facility	PHASE 3, MOHALI, SAS NAGAR (PB)
	(v) Tel. No, Fax. No	0172-469222
	(vi) E-mail ID	ABHJIT.SINGH@FORTISHEALTHCARE.COM
	(vii) URL of Website	WWW.FORTISHEALTHCARE.COM
	(viii) GPS coordinates of HCF or CBMWTF	NL 30 418832, EL 76 434924
	(ix) Ownership of HCF or CBMWTF	(State Government or Private or Semi Govt or any other) ✓
	(x). Status of Authorization under the Bio-Medical Waste (Management and Handling) Rules	Authorisation No. BMD/PRE/SAS/2024/24429101 Valid upto 31.12.2025
	(xi). Status of Consents under Water Act and Air Act	Valid upto 31.03.2026
2	Type of Health Care Facility	
	(i) Bedded Hospital	No. of Beds 375
	(ii) Non-bedded hospital	
	Clinical Laboratory or Research Institute or Veterinary Hospital or any other)	N/A
	(iii) License number and its date of expiry	N/A
3	Details of CBMWTF	
	(i) Number of health care facilities covered by CBMWTF	N/A
	(ii) No. of Beds covered by CBMWTF	
	(iii) Installed treatment and disposal capacity of CBMWTF;	N/A Kg / day
	(iv) Quantity of bio medical waste treated or disposed by CBMWTF	N/A Kg / day
4	Quantity of waste generated or disposed in Kg per Annum (on monthly average basis)	Yellow Category: 81275kg/annum Yellow + 1kg Red Category: 10894kg/annum White: 2171kg/annum Blue Category: 2808kg/annum General Solid Waste: 31795kg + 34971kg/annum
5	Details of the Storage, Treatment, Transportation, Processing and Disposal Facility	
	(i) Details of the on-site storage	Size: 450-550 SQF

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facility		Capacity: 750 kg/day Approx.			
		Provision of on-site storage (Cold storage or any other provision)			
(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 authorized recyclers after treatment in Kg per annum	Red Category (like plastic, glass, etc.)			
		- NA -			
(iv)	No. of Vehicles used for collection and transportation of biomedical waste	- NA -			
(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			
(vi)	Name of the Common Bio-Medical Waste Treatment Facility Operator through which wastes are disposed of	M/S RAJ BHO ENVIRONMENTS PVT. LTD. VILL BALLYALI KALAN, TEH-KHARAR DIST - SAS NAGAR.			
(vii)	List of member HCF not handed over bio-medical waste.	NA -			
6	Do you have bio-medical waste management committee? If yes, attach minutes of the meetings held during the reporting period	YES MINUTES OF MEETINGS ATTACHED			

NA

7	Details trainings conducted on BMW	
	(i) Number of trainings conducted on BMW Management	163 nos
	(ii) Number of personnel trained	1658 Nos
	(iii) Number of personnel trained at the time of induction	533 nos
	(iv) Number of personnel not undergone any training so far	NIL
	(v) Whether standard manual for training is available?	YES
8	Details of the accident occurred during the year	MAJOR NIL
	(i) Number of Accidents occurred	NEEDLE STICK INJURIES (43 nos)
	(ii) Number of persons affected	43 nos INTERNAL BENCHMARK
	(iii) Remedial Action taken (Please attach details if any)	VACCINATION DONE, TRAININGS PROVIDED
	(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?	YES NIL
	Details of Continuous online emission monitoring systems installed	NIL
10	Liquid waste generated and treatment methods in place. How many times you have not met the standards in a year?	YES, AS PER STANDARDS and NORMS
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, DISINFECTON METHOD, AS PER NORMS ARE FOLLOWED
12	Any other relevant information	(Air Pollution Control Devices attached with the Incinerator)

Certified that the above report is for the period from

..... 1st JANUARY 2023 TO
 31st DECEMBER 2023

Date: 12/06/2024
 Place: MOHALA

Name and Signature of the Head of the Institution
Abhjit Singh
 Zonal Director
 Fortis Hospital
 Sector-62, Phase-VIII, Mohali

(Handwritten Signature)



PUNJAB STATE POLLUTION CONTROL BOARD

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 health care facility(HCF), or common bio-medical waste treatment facility (CBWTF)]

Return No : 25902354

Period : 2023

1. Particulars of the Occupier	
(i) Name of the authorized person (Occupier or operator of facility):	Abhijit Singh
(ii) Name of HCF or CBMWTF:	FORTIS HEALTH CARE LTD
(iii) Address for Correspondence:	SECTOR 62, PHASE VIII,
(iv) Address of Facility:	SECTOR 62, PHASE VIII, MOHALI
(v) Tel. No.:	9872305900
(vi) Fax. No.:	0172 - 5096221
(vii) E-mail ID:	neeraj.tandona@fortishealthcare.com
(viii) URL of Website:	www.fortishealthcare.com
(ix) GPS coordinates of HCF or CBMWTF:	NL 30.413832 EL 76.434924
(x) Ownership of HCF or CBMWTF:	Private
(xi) Status of Authorization under the BMW (Management and Handling) Rules:	Authorization No BMW Fresh SAS 2024 24429102 Valid Upto: 31/12/2028
(xii) Status of Consents under Water Act and Air Act.:	Valid Upto: 31/03/2026
2. Type of Health Care Facility	
HCF/CBMWTF Type:	HCF
(i) No. of Beds(for Bedded Hospital):	375.0
(ii) Non-Bedded Hospital (Clinic or Blood Bank or Clinical Laboratory or Research Institute or Veterinary Hospital or any other):	--Select--
(iii) Licence Number:	
(iv) Licence date of expiry:	
3. Quantity of waste generated or disposed in Kg per annum (on monthly average basis)	Yellow Category 81278 Red Category 108944 White Category 2171 Blue Category 28018 General Solid Waste 11672
4. Details of the Storage, Treatment, Transportation, Processing and Disposal Facility Details	
(i) Details of the on-site storage facility:	Size: 51 Capacity: 2 Provision of on-site storage: Store Room

FORTIS HEALTH CARE LTD SECTOR 62 PHASE VIII MOHALI

(ii) Disposal Facility:		Type of Treatment Equipment	Number of Units	Capacity (Kg/day)	Quantity Treated or Disposed (Kg/annum)
(iii) Quantity of recyclable wastes sold to authorized recyclers after treatment in kg per annum:	0.0				
(iv) No of vehicles used for collection and transportation of BMW:	0010				
(v) Details of incineration, ash and ETP sludge generated, disposal during the treatment of wastes in Kg per annum		Type of waste	Quantity Generated	Where disposal	
(vi) Name of the Common BMW Treatment Facility Operator through which wastes are disposed of:	Rainbow Environments Pvt Ltd Mohali				
5. Do you have BMW management committee:	yes				
details:	Yes				
6. Training Conducted on BMW Details					
(i) Number of training conducted on BMW Management:	163				
(ii) Number of personnel trained:	1658				
(iii) Number of personnel trained at the time of induction:	533				
(iv) Number of personnel not undergone any training so far:	0				
(v) Whether standard manual for training is available:	yes				
(vi) Any other information:					
7. Details of the accident occurred					
(i) No. of accident occurred:	43				
(ii) Number of the persons affected:	43				
(iii) Remedial Action taken:	For Safety vaccination done and training provided with test of all healthgivers				
(iv) Any Fatality occurred, details:	Nil				
8. Are you meeting the standards of air Pollution from the incinerator?. How many times in last year could not met the standards?:	200				
Details of Continuous online emission monitoring systems installed:	No				
9. Liquid waste generated and treatment methods in place. How many times you have not met the standards in a year:	Yes				
10. Is the disinfection method or sterilization meeting the log for standards? How many times you have not met the standards in a year?:	0				
11. Any other relevant information:	NA				


Abhijit Singh
 Zonal Director
 Fortis Hospital
 Sector-62, Phase-VIII, Mohali

Date : 12/06/2024
 Place : SAS VAGAR



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

ACCIDENT REPORTING


1. Date and time of accident : NEEDLE STICK INJURY (AS PER Annexure I)
2. Type of Accident : NEEDLE STICK INJURY
3. Sequence of events leading to accident : AS PER ANNEXURE II
4. Has the Authority of 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 : FOR SAFETY VACCINATION DONE
7. Emergency measures taken : TRAINING PROVIDED TO ALL HEALTHGIVERS WITH TEST.
8. Steps taken to alleviate the effects of accidents : PROCEDURAL TRAININGS/ TRAINING'S WITH PPE ON SEGRIGATION
9. Steps taken to prevent the recurrence of such an accident : CONTINUOUS TRAININGS
10. Does you facility has Emergency Control policy? If yes, give details : HOSPITAL HAS ERT/HAZMAT TEAMS TO DEN. ANY KIND OF EMERGENCY WITH SAFETY & SECUR. AS PER NEMS.

Date

Signature

Place :.....MORALI.....

Designation


Abhijit Singh
Zonal Director.....
Fortis Hospital
Sector-62, Phase-VIII, Mohali

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ANNEXURE - 1

Name of the Hospital : Fortis Hospital Limited (Fortis Healthcare Limited)
 Address of the Hospital : Mohali- Phase-8, Sector 62, SAS Nagar Mohali.
 Year : 2023

Details of Category wise, Biomedical Waste. (Kgs.)

Category/Month		Blue	Red	White	Yellow	Cyto	Covid Waste						
S. No	Month	#Bags	WT. (KG)	#Bags	WT. (KG)	#Bags	WT. (KG)	#Bags	WT. (KG)				
1	Dec-23	311	2639.52	2209	9668.54	126	196.536	1862	6547.49	56	235.704		
2	Nov-23	267	2349	1976	9089.84	114	180.03	1662	6317.21	50	242.57	5	11
3	Oct-23	290	2600.98	2220	9660.72	126	202.796	1832	6377.19	50	223.204		
4	Sep-23	304	2780.1	2316	10307.5	135	206.614	1820	6818.8	57	245.618		
5	Aug-23	283	2449.21	2158	9310.27	114	152.73	1620	6146.57	56	247.468		
6	Jul-23	270	2230.92	2046	8725.88	150	213.478	1654	6446.83	58	275.746		
7	Jun-23	270	2367.3	2175	8693.54	119	176.468	1719	6412.3	53	253.42		
8	May-23	254	2128.51	2221	8919.51	140	198.016	1669	6372.04	60	274.387	50	122.9
9	Apr-23	268	2123.67	1948	7890.33	124	175.631	1685	6423.5	54	264.045	219	417
10	Mar-23	273	2276.76	2144	8709.01	125	158.85	1725	6734.41	60	267.191	31	72
11	Feb-23	249	1941.31	1948	7754.18	124	139.33	1484	6254.45	51	191.92		
12	Jan-23	248	2130.78	1953	10214.8	135	170.76	1643	7629.53	52	205.22	24	44.8
	Total	3287	28018.06	25314	108944.12	1532	2171.239	20382	78351.33	657	2926.493	329	668

After generation, Segregation, Collection & Storage of Bio-Medical Waste, handed over to Authorized outsourced Agency M/s Rainbow Environment Pvt. Ltd., Village Balyali, Mohali for treatment & disposal as per PPCB norms.



A UNIT OF FORTIS HEALTHCARE LIMITED

Regd. Office Fortis Hospital, Sector 62, Phase - VIII, Mohali - 160062
 CIN No. LB5110DL1996PLC076704

Fortis SPECIALTY HOSPITAL

ANNEXURE - 2
NEEDLE STICK INJURY 2023

S.No	Month	No. of Injury	Area Distribution of Needle Stick Injury															Categories of Needle Stick Injury					Incidence Needle Stick Injury									
			Ward A2	Ward A3	Ward A4	Ward A5	Ward A6	Sample Collection	BMT	CCU	MICU	NISCU	NICU	GICU	MSOT	Ortho OT	Daycare	Radiology	SPICU	PATH LAB	ER	Doctor	Nurse	Technician	Trainee	HK	Wrong segregation	Re-Capping	Wrong Practice	Splash	After use before disposal	Procedural
1	January	1																				1										1
2	February	5						2										1			2		4	1				1	1		2	1
3	March	6		1				1				1											2	2		2	3				2	1
4	April	4	1	1													1				1		1	2		1	1	2			1	
5	May	2												1									1			1	1				1	
6	June	5				1			3														3		1	1		1	1	1	1	
7	July	5								1				2	1				1			1	3			1	1	1		1	2	
8	August	2																1					1			1	1					
9	September	4								1		1								2		1	1	2						1	2	
10	October	2						1										1					2							1	1	
11	November	4								1				2						1			2	1			1				3	
12	December	3			1				1														2			1	2				1	
	Total	43	1	1	2	1	1	2	1	4	5	2	1	1	7	2	0	1	5	2	4	3	22	6	3	8	9	6	3	2	9	14

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MINUTES OF MEETING

FHM-BMW COMMITTEE-26.05.2023

NAME OF UNIT – Fortis Hospital Mohali

Venue-Board room

NAME OF COMMITTEE: Bio-Medical Waste Committee

1. Date & Time: 26.5.2023 (5pm – 6pm)
2. Total no. of Members present in the meeting: 8
3. Agenda circulated prior to meeting (Yes/No): Yes

List of Attendees:

1. Dr. Anita Sharma-Infection Control Officer, Lab Head –BMW Chairperson- (Over phone)
2. Dr Vikramjit Singh, Medical Director
3. Mrs Madhavi Chikale, CNO- (Over phone)
4. Harjit Kaur-ACNO
5. Joice Thomas - ACNO
6. Rajesh Sharma- Housekeeping Head
7. Sheela Kispotta –ICN
8. Kiranpreet Kaur-ICN
9. Rajbir Kaur-DCON

AGENDA

- Improvement seen in Biomedical waste mixing. *segregation*.
- Mutilation of Red waste has improved but needs reinforcement in some areas.
- Issues faced in disposal of Bigger sharps like biopsy gun and needles.
- Any statutory compliances to be followed in the coming months- Mr. Neera] to apprise.
- Vaccination status- Ongoing
- Mandatory trainings on BMW- Compliance at FHM and FMC
- Needles are discarded in hub cutter as well as in sharp boxes also.

Neera

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

S.No.	Issues	Discussion	Responsibility	Expected Closure Date	Remarks
1	General waste mixing observed in Infectious waste bag	Though there was improvement seen in correct BMW segregation, reinforcement required in some areas.	CNO, HK, IC Team	Immediately	<p>1. Nodal person and stakeholders apprised of the situation and training and education to be done on a war footing for next one month and process to be reinforced.</p> <p>2. Before BMW collection/removal from the Clinical area, Housekeeping along with Nursing to have a cross check for any BMW mixing and correction done.</p> <p>3. IC Team to have an oversight and do regular, aggressive audits to check for compliance</p>
2.	Glucose/Saline bottles not found mutilated	Some gains are present but reinforcement	CNO, HK, IC Team	Immediately	1.Scissors provided in all DU which can be used to damage

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	before disposal	and oversight required.			<p>all saline bottles before discard.</p> <p>2. Before BMW collection/removal from the Clinical area, Housekeeping along with Nursing to have a cross check for any process deviation and correction done before transportation</p> <p>3. IC Team to provide training and do regular, aggressive audits to check for compliance and have oversight on the process</p>
3.	Disposal of bigger sharps	Issue being faced in disposal of bigger sharps like biopsy guns and needles etc.	CNO, IC Team	Ongoing	HK to discuss with personnel from Rainbow environments on how and where to disposal of bigger sharps to minimize sharp injury.

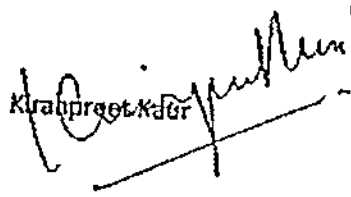
However, due to higher attrition, it is a constant challenge to change & improve staff behaviour regarding the above mentioned points
 But the organization is committed to following the BMW ACT in letter and spirit and will take all necessary measures to ensure compliance and improve on the gaps observed.

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Signature of Chairman and Secretary

Dr Anita Sharma


(Chairman)


Kiranpreet Kaur

(Secretary)



FHL Training Attendance Sheet

Program Name: BMW Blanned meeting

Program Date: 26-5-2023

Facilitator: IC Team

From: Scoops **TO:** Geeta

Location: Board Room

S/N	Employee ID	Global ID	Participant Name	Dept/Area	Feed Back (Rating 5-1)	Signature
1	11160	114195	Tara	ACNO	5	[Signature]
2	10246	114209	HARDIT KAUR	ACNO	5	[Signature]
3	10092	110245	Rajbir kaur Arora	Doc	5	[Signature]
4	18576	198410	Kaishree Kaur	IC	5	[Signature]
5	20138	209870	Shaloo Kishore	IC	5	[Signature]
6	1	188001	Anub Prash	Marketing	5	[Signature]
7	10858	114250	Rajesh SHARMA.	H.K	5	[Signature]
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MINUTES OF MEETING

FHM-BMW COMMITTEE-13.12.2023

NAME OF UNIT -- Fortis Hospital Mohali

Venue-Meeting room

NAME OF COMMITTEE: Bio-Medical Waste Committee

1. Date & Time: 13.12.2023 (3pm -- 4pm)
2. Total no. of Members present in the meeting: 8
3. Agenda circulated prior to meeting (Yes/No): Yes

List of Attendees:

1. Dr. Anita Sharma-Infection Control Officer, Lab Head --BMW Chairperson
2. Mrs. Nikethana.R., CNO
3. Sarabjit Kaur-ACNO
4. Ashok Sharma- Housekeeping supervisor
5. Kiranpreet Kaur-ICN
6. Rajbir Kaur-DCOR
7. Sheetal Namdeo Kamble--Nursing Education
8. Premila Deswal-HR

AGENDA

New Additions /Concerns

- BMW segregation update.
- Mutilation of red waste compromised in some areas.
- Larger sharps like biopsy gun and needles disposal container pending
- Any statutory compliances to be followed in the coming months- Mr. Neeraj to apprise.
- Vaccination status- Ongoing
- Mandatory trainings on BMW- Compliance at FHM and FMC
- Needles are discarded in hub cutter as well as in sharp boxes also.

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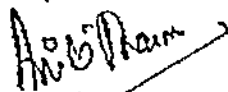
The following major points were discussed and responsibilities and timelines were agreed as in the table below.

S.No.	Issues	Discussion	Responsibility	Expected Closure Date	Remarks
1	General BMW mixing observed in infectious waste bag	Though there was improvement seen in correct BMW segregation, reinforcement required in some areas.	CNO, HK, IC Team	Immediately	<p>1. Nodal person and stakeholders apprised of the situation and training and education to be done on a war footing for next one month and process to be reinforced.</p> <p>2. Before BMW collection/removal from the Clinical area, Housekeeping along with Nursing to have a cross check for any BMW mixing and correction done.</p> <p>3. IC Team to have an oversight and do regular, aggressive audits to check for compliance</p>
2.	Glucose/Saline bottles not found mutilated before disposal	Some gains are present but reinforcement and oversight required.	CNO, HK, IC Team	Immediately	<p>1. Scissors provided in all DU which can be used to damage all saline bottles before discard.</p> <p>2. Before BMW collection/removal from the Clinical area, Housekeeping along with Nursing to have a cross check for any process deviation and</p>


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					<p>correction done before transportation</p> <p>3. IC Team to provide training and do regular, aggressive audits to check for compliance and have oversight on the process</p>
3.	Disposal of bigger sharps	Bigger sharp containers for bigger sharp Instruments were order	Purchase, HK	Ongoing	30.12.2023
4.	Discard of Bone flaps	Bone flap discard policy to be made	Quality and Administration	Immediately	30.12.2023
5.	GDA training and Vaccination	GDA Training and Induction started. Vaccination process streamlined	Sister Lissy, IC team	Ongoing	30.12.2023

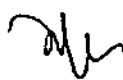
Signature of Chairman and Secretary


Dr Anita Sharma

{Chairman}


Hiranpreet Kaur

{Secretary}



FHL Training Attendance Sheet

Program Name	Bi-annual BMW meeting		
Program Date	13/12/2023		
Facilitator	IC Team		
Time	From	3:00 pm	TO
			4:00 pm

S.No	Employee ID	Global ID	Participant Name	Dept/Area	Feed Back (Rating)	Signature
1	20684	217484	Shetal K	Edun	05	[Signature]
2	114291	10167	ASHOK KUMAR	AG	05	[Signature]
3	20937	217899	Pramila Desai	HR	05	[Signature]
4	10082	114215	Rajbr Kay	ASG	05	[Signature]
5	10020	114262	Sahajit Gauri	MS	05	[Signature]
6		188001	Shilpa Ghans	Let. Gen		[Signature]
7			MS. NIKETHAN R.	MEASUREMENT	05	[Signature]
8	18576	198410	Krishnakant	IC	05	[Signature]
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