



PO Box 1556  
 PORT ADELAIDE, SOUTH AUSTRALIA, 5015  
 61 (0) 428 668 256  
 ABN. 75 131 114 764

**METHYL BROMIDE Field Record Sheet**

Date: 30/11/2025  
 Vessel: Jumeirah Beach  
 Exporter: Pentarch  
 Location: EDEN, Edrom Road Log Yard  
 Registered Establishment #: 4124  
 Destination: India  
 Concentration g/m3: 72

Row I.D.	Row	Jas	Row	Jas	Total JAS	L	W	H	V	g/m3	MB3	Start	
478,481	478	490.586	481	490.570	981.156	52	9.4	4.8	2346	72	168.9	30/11/25	12:30
479,482	479	472.594	482	496.400	968.994	55	9.4	5	2585	72	186.1	30/11/25	12:30
489,483	489	544.690	483	482.230	1,026.920	52	9.4	5	2444	72	176.0	30/11/25	12:30
642,634	642	547.496	634	595.774	1,143.270	55	9.4	5	2585	72	186.1	30/11/25	12:30
636,639	636	603.551	639	541.904	1,145.455	55	9.4	5	2585	72	186.1	30/11/25	12:30
472,485,476	472	487.220	485,476	457.802	945.022	52	9.4	4.5	2200	72	158.4	30/11/25	12:30
641,640,644	641,640	501.841	644	566.300	1,068.141	55	9.4	5	2585	72	186.1	30/11/25	12:30
480,484	480	509.600	484	488.400	998.000	55	9.4	4.8	2482	72	178.7	30/11/25	12:30
488,490	488	484.030	490	510.290	994.320	55	9.4	4.8	2482	72	178.7	30/11/25	12:30
643,645	643	508.660	645	528.280	1,036.940	52	9.4	5	2444	72	176.0	30/11/25	12:30
475,492	475	347.310	492	325.200	672.510	55	5	4.5	1238	72	89.1	30/11/25	12:30
		<b>TOTALS</b>			<b>10,980.7</b>				<b>25,975</b>		<b>1,870.2</b>		

## METHYL BROMIDE LOG ROW FUMIGATION RECORD

**Date:** 30/11/2025  
**Vessel:** Jumeirah Beach  
**Exporter:** Pentarch  
**Location:** EDEN, Edrom Road Log Yard  
**Registered Establishment #** 4124  
**RFP #** 10670386  
**Exposure Period** 24 Hours  
**Destination:** India

### Temperature

Minimum Ambient Temperature Forecast Greencape	10			
Ambient Temperature at Log Temperature Sample Time	13.4	@ 08:00 AM	30/11/25	
Log Temperature @50mm - 5 samples	12.9	13.2	13.2	13
Dosage Based on Lowest Temperature Expected (10 Degrees)	72	grams per cubic meter		

### Fumigation

Row ID	478,481	479,482	489,483	642,634	636,639	472,485,476	641,640,644			
Volume m3	2346	2585	2444	2585	2585	2200	2585			
Dosage (kgs)	169	186	176	186	186	158	186			
Application (Start 30/11)	11:00	10:15	11:20	10:50	10:15	10:20	9:15			
Equilibrium %	13.1	7.9	10.9	8.1	12.9	13.4	8.0			
<b>Equilibrium Time</b>	<b>12:10</b>	<b>11:15</b>	<b>12:20</b>	<b>11:55</b>	<b>10:55</b>	<b>11:05</b>	<b>10:15</b>			
Top	96.4	99.0	81.2	98.8	88.4	88.8	96.8			
Middle	87.6	98.8	83.4	97.2	91.8	90.0	102.2			
Bottom	95.0	99.4	76.0	104.6	87.6	95.8	98.6			
Point 1	85.2	104.0	81.4	102.2	92.2	96.4	95.4			
Point 2	92.2	103.2	75.2	102.2	92.4	85.0	99.6			
Point 3	87.4	96.4	82.2	101.8	82.2	91.6	97.8			
Point 4	87.6	96.8	77.0	98.4	83.4	93.6	103.0			
Point 5	96.2	103.4	82.4	96.8	92.8	86.8	97.2			
<b>Time (12 Hour 01/12)</b>	<b>0:50</b>	<b>1:00</b>	<b>1:08</b>	<b>1:17</b>	<b>1:24</b>	<b>1:35</b>	<b>1:44</b>			
Top	38.2	42.6	30.2	47.4	33.4	37.2	46.8			
Middle	37.0	45.0	29.0	44.0	33.4	39.8	44.8			
Bottom	42.6	46.8	30.8	45.8	35.4	42.6	46.4			
Point 1	39.6	45.2	29.6	43.2	34.8	37.0	44.2			
Point 2	39.6	45.2	30.4	44.8	36.2	40.6	44.2			
Point 3	43.0	47.8	29.8	45.2	38.0	42.0	43.0			
Point 4	39.2	47.6	30.6	44.2	34.2	37.8	42.2			
Point 5	43.0	47.2	28.2	46.2	37.4	37.4	45.4			
<b>Time (24 Hour 01/12)</b>	<b>13:40</b>	<b>13:24</b>	<b>13:11</b>	<b>13:02</b>	<b>12:52</b>	<b>12:40</b>	<b>12:33</b>			
Top	33.0	35.8	23.0	35.8	26.4	29.0	31.4			
Middle	31.2	32.2	24.8	32.6	26.6	31.8	31.0			
Bottom	28.6	32.6	25.8	32.4	28.4	29.0	31.2			
Point 1	28.6	33.8	25.4	35.0	29.6	31.0	34.6			
Point 2	29.6	35.0	24.6	33.2	30.8	32.4	34.4			
Point 3	31.0	33.8	23.4	32.2	26.0	30.4	32.4			
Point 4	33.0	35.2	23.6	31.2	27.2	30.6	32.6			
Point 5	28.4	35.0	24.4	32.4	30.2	29.4	32.6			

### Bottle Serial Numbers

5668-1807-1271-1990-0424-1724-0501-1238-0176-0086-1982-1247-1962-1749-0839-1448-0293-1085-0535

### Notes

**OFFICIAL FUMIGATION START TIME (ALL CELLS AT EQUILIBRIUM)**  
**OFFICIAL FUMIGATION START DATE**  
**OFFICIAL FUMIGATION END TIME**  
**OFFICIAL FUMIGATION END DATE**

**12:30**  
**30/11/2025**  
**12:30**  
**1/12/2025**

Member of



International Maritime Fumigation Organization



Tate Nolan  
FUMIGATOR IN CHARGE  
NSW LICENCE # L5084147  
Issue Date: 02/12/2025



Mark Wesierski  
FUMIGATOR  
NSW LICENCE # L5073748

## METHYL BROMIDE LOG ROW FUMIGATION RECORD

**Date:** 30/11/2025  
**Vessel:** Jumeirah Beach  
**Exporter:** Pentarch  
**Location:** EDEN, Edrom Road Log Yard  
**Registered Establishment #** 4124  
**RFP #** 10670386  
**Exposure Period** 24 Hours  
**Destination:** India

### Temperature

Minimum Ambient Temperature Forecast Greencape	10				
Ambient Temperature at Log Temperature Sample Time	13.4	@ 08:00 AM	30/11/25		
Log Temperature @50mm - 5 samples	12.9	13.2	13.2	13	13.4
Dosage Based on Lowest Temperature Expected (10 Degrees)	72	grams per cubic meter			

### Fumigation

Row ID	480,484	488,490	643,645	475,492						
Volume m3	2482	2482	2444	1238						
Dosage (kgs)	178.7	178.7	176.0	89.1						
Application (Start 30/11)	9:45	9:35	11:00	9:10						
Equilibrium %	11.4	7.9	11.7	8.4						
<b>Equilibrium Time</b>	<b>10:30</b>	<b>10:20</b>	<b>11:45</b>	<b>10:05</b>						
Top	85.4	95.8	74.0	86.0						
Middle	77.4	96.2	75.4	89.0						
Bottom	77.2	100.2	82.2	87.4						
Point 1	79.0	99.8	73.6	87.4						
Point 2	86.0	102.0	76.4	92.0						
Point 3	80.8	100.4	78.0	89.4						
Point 4	83.2	102.8	76.2	86.4						
Point 5	84.2	103.4	81.6	93.2						
<u>Time (12 Hour 01/12)</u>	<u>2:00</u>	<u>2:08</u>	<u>1:51</u>	<u>2:20</u>						
Top	34.4	42.4	28.8	40.2						
Middle	31.8	47.8	29.8	40.4						
Bottom	31.0	47.8	29.6	41.0						
Point 1	34.6	47.6	29.2	41.6						
Point 2	33.4	43.0	28.2	37.6						
Point 3	32.8	46.0	30.6	40.6						
Point 4	34.6	47.0	30.2	37.0						
Point 5	33.8	47.8	30.6	41.2						
<u>Time (24 Hour 01/12)</u>	<u>12:15</u>	<u>12:06</u>	<u>12:25</u>	<u>11:58</u>						
Top	24.8	34.0	23.8	30.4						
Middle	25.4	35.4	25.8	33.0						
Bottom	25.6	35.2	23.4	31.4						
Point 1	24.0	33.0	24.6	31.8						
Point 2	26.2	35.0	23.6	31.8						
Point 3	25.8	33.8	24.6	33.6						
Point 4	26.0	33.2	23.0	32.2						
Point 5	27.6	33.4	24.8	32.4						

### Bottle Serial Numbers

5668-1807-1271-1990-0424-1724-0501-1238-0176-0086-1982-1247-1962-1749-0839-1448-0293-1085-0535

### Notes

**OFFICIAL FUMIGATION START TIME (ALL CELLS AT EQUILIBRIUM)**  
**OFFICIAL FUMIGATION START DATE**  
**OFFICIAL FUMIGATION END TIME**  
**OFFICIAL FUMIGATION END DATE**

**12:30**  
**30/11/2025**  
**12:30**  
**1/12/2025**

Member of



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Tate Nolan  
FUMIGATOR IN CHARGE  
NSW LICENCE # L5084147  
Issue Date: 02/12/2025



Mark Wesierski  
FUMIGATOR  
NSW LICENCE # L5073748

# MONITORING SHEET #1 - EXPOSURE PERIOD



Location	<u>Pentarch Log Yard, Edrom</u>	Job Description	<u>Pine Logs with Bark</u>
Start Time (Application Period)	<u>10:00:00</u>	MB Dosage Rate	<u>72gm3</u>
Fumo Start Time and Date	<u>12:30:00</u>	<u>30/11/2025</u>	Wind Direction
Site Diagram	<u>Pentach 1</u>	Wind Speed	<u>11 kmph</u>

	TIME	M1	M2	M3	M4	M5
START TIME (+mins)	14:00:00	0	0	0	0	0
30	14:30:00	0	0	0	0	0
60	15:00:00	0	0	0	0	0
90	15:30:00	0	0	0	0	0
120	16:00:00	0	0	0	0	0
150	16:30:00	0	0	0	0	0
180	17:00:00	0	0	0	0	0
210	17:30:00	0	0	0	0	0
240	18:00:00	0	0	0	0	0
270	18:30:00	0	0	0	0	0
300	19:00:00	0	0	0	0	0
330	19:30:00	0	0	0	0	0
360	20:00:00	0	0	0	0	0
390	20:30:00	0	0	0	0	0

Mark Wesierski

Signature:

Date:

30/11/2025

## MONITORING SHEET #2 - VENTILATION



Location	<u>Pentarch Log Yard, Edrom</u>	Job Description	<u>Pine Logs with Bark</u>
Start Time (Remove Tarps)	<u>12:30:00</u>	MB Dosage Rate	<u>72gm3</u>
Start Date	<u>1/12/2025</u>	Wind Direction	<u>NE</u>
Site Diagram	<u>Pentarch 1</u>	Wind Speed	<u>6kmph</u>

	TIME	M1	M2	M3	M4	M5
<b>START TIME (+mins)</b>	12:30:00	0	0	0	0	0
15	12:45:00	0	0	0	3.2	0
30	13:00:00	0	0	0	0.8	0
45	13:15:00	0	0	0	0	0
60	13:30:00	0	0	0	1.2	0
75	13:45:00	0	0	0	1.6	0
90	14:00:00	0	0	0	0.4	0
105	14:15:00	0	0	0	0.4	0
120	14:30:00	0	0	0	0	0
135	14:45:00	0	0	0	0	0
150	15:00:00	0	0	0	0	0
165	15:15:00	0	0	0	0	0
180	15:30:00	0	0	0	0	0
195	15:45:00	0	0	0	0	0

Discontinue monitoring once MB Concentration level is Zero

Mark Wesierski

Signature:

Date:

1/12/2025

## FUMIGATION CERTIFICATE

**CERTIFICATE NUMBER:** 87788

**CLIENT:** PENTARCH FOREST PRODUCTS

**DATE:** 30/11/2025

**VESSEL:** MV JUMEIRAH BEACH

**IMO NUMBER:** 9642045

**RFP NUMBER:** 10670386

**DESCRIPTION OF GOODS:** PINE LOGS WITH BARK

**FUMIGANT USED:** METHYL BROMIDE

**QUANTITY:** 10980.7 JAS

**LOG ROWS FUMIGATED:** 478-481-479-482-489-483-642-634-636-639-472-485  
476-641-640-644-480-484-488-490-643-645-475-492

**TEMPERATURE commodity:** 12 Degrees

**TEMPERATURE ambient forecast:** 10 Degrees

**DOSAGE APPLIED:** 72 GRAMS/M3

**EXPOSURE PERIOD:** 24 HOURS

**PORT OF FUMIGATION APPLICATION:** EDEN, NSW, AUSTRALIA

**PORT OF DISCHARGE:** KANDALA, INDIA

**DATE/TIME FUMIGATION START:** 12:30 HRS LT 30/11/2025

**DATE/TIME FUMIGATION FINISH :** 12:30 HRS LT 01/12/2025

**DATE/TIME GAS FREE @5ppm or Below:** 15:50 HRS LT 01/12/2025



International Maritime Fumigation Organization

T.Nolan NSW Lic. # L5084147

M.Wesierski NSW Lic. # L5073748



## FUMIGATION CERTIFICATE

**CERTIFICATE NUMBER:** 87789  
**CLIENT:** PENTARCH FOREST PRODUCTS  
**DATE:** 18/12/2025  
**VESSEL:** MV JUMEIRAH BEACH  
**IMO NUMBER:** 9642045  
**RFP NUMBER:** 10670386  
**DESCRIPTION OF GOODS:** PINE LOGS WITH BARK  
**FUMIGANT USED:** METHYL BROMIDE  
**QUANTITY:** 25100 JAS  
**HOLDS FUMIGATED:** CARGO HOLDS 1,2,3,4,5.  
**TEMPERATURE commodity:** 18 Degrees  
**TEMPERATURE ambient forecast:** 16 Degrees  
**DOSAGE APPLIED:** 56 GRAMS/M3  
**EXPOSURE PERIOD:** 24 HOURS  
**PORT OF FUMIGATION APPLICATION:** EDEN, NSW, AUSTRALIA  
**PORT OF DISCHARGE:** KANDALA, INDIA  
**DATE/TIME FUMIGATION START:** 15:30 HRS LT 18/12/2025  
**DATE/TIME FUMIGATION FINISH :** 15:30 HRS LT 19/12/2025  
**DATE/TIME GAS FREE @5ppm or Below:** 06:15 HRS LT 20/12/2025

Member of



International Maritime Fumigation Organization

G. Richardson NSW Lic. # L5073441

T. Matthews Vic Lic. # L010842



## FUMIGATION MONITORING

CERTIFICATE #: 87789

VESSEL:

MV JUMEIRAH BEACH

### DOSAGE

<b>DOSAGE APPLIED:</b>	<b>56 gm3</b>				
<b>HOLD NUMBER</b>	<b>HOLD 1</b>	<b>HOLD 2</b>	<b>HOLD 3</b>	<b>HOLD 4</b>	<b>HOLD 5</b>
<b>HOLD VOLUME</b>	<b>7063.21</b>	<b>9652.14</b>	<b>9053.03</b>	<b>9650.37</b>	<b>8058.67</b>
<b>HOLD DOSAGE</b>	<b>395.53976</b>	<b>540.51984</b>	<b>506.96968</b>	<b>540.42072</b>	<b>451.28552</b>
<b>TOTAL VOLUME:</b>	<b>43477.42</b>				
<b>TOTAL DOSAGE:</b>	<b>2434.7</b>				

### TEMPERATURE

<b>TEMPERATURE ambient forecast:</b>	<b>16 DEGREES</b>				
<b>MEASURED LOG TEMPERATURE 50mm:</b>	<b>Hold 1 -</b>	18.2-18.4-19.0-18.4-18.5			
<b>(11:00 18/12/2025)</b>	<b>Hold 2 -</b>	19.2-19.6-19.8-19.6-19.3			
	<b>Hold 3 -</b>	17.9-18.2-18.7-18.7-18.9			
	<b>Hold 4 -</b>	19.4-19.7-19.8-19.6-19.5			
	<b>Hold 5 -</b>	18.9-19.0-19.7-19.4-19.3			

### HOLD MONITORING

	1	2	3	4	5
<b>READING TIME</b>	2:30:00 PM	2:40:00 PM	3:30:00 PM	3:00:00 PM	3:10:00 PM
<b>DATE</b>	18/12/2025	18/12/2025	18/12/2025	18/12/2025	18/12/2025
<b>TOP</b>	80.4	89.4	84.4	99.6	92.2
<b>MIDDLE</b>	82.6	90.2	82.8	90.2	92.4
<b>BOTTOM</b>	88	97.2	87.2	88.8	97.4
<b>EQUILIBRIUM %</b>	9.5	8.7	5.3	12.2	5.6
<b>12 HOURS TIME</b>	3:00:00 AM	3:10:00 AM	3:18:00 AM	3:25:00 AM	3:40:00 AM
<b>DATE</b>	19/12/2025	19/12/2025	19/12/2025	19/12/2025	19/12/2025
<b>TOP</b>	56.4	68.4	60.8	70.4	68.4
<b>MIDDLE</b>	58.8	66.8	61.4	68.2	67.6
<b>BOTTOM</b>	58.6	67.4	61.2	68.6	69.8
<b>24 HOURS TIME</b>	2:55:00 PM	3:05:00 PM	3:15:00 PM	3:22:00 PM	3:30:00 PM
<b>DATE</b>	19/12/2025	19/12/2025	19/12/2025	19/12/2025	19/12/2025
<b>TOP</b>	42	49.8	44.6	46.8	42.8
<b>MIDDLE</b>	42.4	50	44.2	47.2	47.8
<b>BOTTOM</b>	46.6	51.2	46.6	47	48

### BOTTLE SERIAL NUMBERS

0797-2144-0664-2109-1440-1186-1781-0987-1916-2063-0869-2240-0625  
1581-0697-0875-1748-0430-1327-0770-2956-1929-1785-1432-1939 (part)

Glen Richardson

NSW Lic. # L5073441

Tony Matthews

Vic Lic. # L010842



**GENERA SHIP RECORD SHEET**

<b>VESSEL</b>	<b>FUMIGATOR</b>	<b>START DATE</b>	<b>TIME</b>	<b>FINISH DATE</b>	<b>TIME</b>
Jumeirah Beach	Glen Richardson	18/12/2025	15:30	19/12/2025	15:30

<b>bromide conc.</b>	<b>Minimum Temp.</b>	<b>WIND greencape ws</b>			<b>WIND greencape ws</b>		
0.056	16	speed	direction	time	speed	direction	time
		32km/h	NNE	15:30	6km/h	N	15:30

<b>HATCH</b>	<b>VOLUME</b>	<b>BROMIDE</b>	<b>Air Quality Exposure Period ppm</b>			<b>Air Quality Venting Period ppm</b>		
			Time	north	south	Time	north	south
1	5493.9	307.7	0hrs	0	0	0hrs	0	0
2	9078.0	508.4	1hrs	0	0	0.5hrs	0	0
3	9078.0	508.4	2hrs	0	0	1hrs	0	0
4	9078.0	508.4	4hrs	0	0	1.5hrs	0	0
5	8186.0	458.4	8hrs	0	0	2hrs	0	0
			12hrs	0	0	4hrs	0	0
	40913.86	2291.2				6hrs	0	0
						8hrs	0	0
						12hrs	0	0

North Easterly wind during application. Nil Readings. During venting winds Northerly and off the berth.



## Certificate of Gas Clearance

Vessel: JUMEIRAH BEACH

Date and time: 20/12/2025 06:15

Holds: 1, 2, 3, 4, 5

The above mentioned holds have been vented below the threshold value limit (TVL) of 5.0 parts per million (ppm) and are free from dangerous levels of methyl bromide.

The vessel holds may now be closed and normal work may commence. It is however recommended that all ventilation stay open during the voyage.

**Under no circumstances should anyone enter the hold due to a lack of oxygen.**

Due to potential desorption of methyl bromide and other toxins in the timber it is recommended that the cargo holds are opened and allowed to vent for at least 30 minutes before entering port and proceed with caution.

Technician in charge: GLEN RICHARDSON

Signature: [Signature]



Member of International Maritime Fumigation Organisation

[Signature]  
**CHIEF OFFICER**  
**M.V. "JUMEIRAH BEACH"**