Bund Integrity Assessment

At

MC Building Chemicals
Killycard
Castleblaney
Co. Monaghan

IPC Reg. No. 464-01

By

Q.E.D. Engineering Ltd.
M-TEK Building I
Armagh Road
Monaghan
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December 2022

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1. Introduction

Q.E.D. Engineering Ltd was commissioned by MC Building Chemicals to undertake a Bund Integrity Assessment on a number of bunded structures at the site in line with IPPC licence requirements.

Condition 8.4.1 of the license states that:

> *"All tank and drum storage areas shall be rendered impervious to the materials stored therein. In addition, tank and drum storage areas shall within six months of the date of grant of licence, as a minimum be bunded, either locally or remotely, to a volume not less than the greater of the following;*
>
> *(i) 110% of the capacity of the largest tank or drum within the bunded area*
>
> *(ii) 25% of the total volume of substance which could be stored within the bunded area.*
>
> *Drainage from bunded areas shall be diverted for collection and safe disposal. All bunds shall be tested at least once every three years. A report on such tests shall be included in the AER."*

Condition 8.4.2 of the licence states that:

> *"The integrity and water tightness of all the bunding structures and their resistance to penetration by water or other materials stored therein shall be tested and demonstrated by the licensee to the satisfaction of the Agency".*

The Bund Integrity Assessment was commissioned by Francisco Gomez in MC Building Chemicals and conducted by Patricia Murtagh of Q.E.D. Engineering Ltd.

2. Testing Methodology

The bund integrity testing was carried out in general accordance with the EPA published *"IPC Guidance Note on Storage and Transfer of Materials for Scheduled Activities*" and also BS 8007: 1987 *"Code of Practice for Design of Concrete Structures for Storage of Aqueous Liquids"*. The record sheet contained within the EPA published guidance note mentioned above was used to detail results in this report.

Hydrostatic testing was carried out on bunded areas were possible. However, it was not possible to carry out hydrostatic testing in certain bunds due to the presence of low lying electrical equipment located in the bund area. In bunded areas where it was possible to carry out a hydrostatic test, the bund was fully cleaned and then filled with water prior to the recording of the initial water level. The water level in all bunds tested was recorded over 24 hours as it was not possible to put bunds out of use for longer than this period.

A reference vessel was situated adjacent to each bund testing area. This was used to take account of variations due to evaporation during the hydrostatic test period. All bund testing was done indoors. The initial and final water level in the reference vessel along with that of the bund being tested was measured at each bund.

The general requirements of BS 8007 states that during the test period of concrete bund structures the total permissible drop in level, after allowing for evaporation and rainfall, should not exceed 1/500th (0.2%) of the average initial water level inside the structure, of 10mm loss of water, or another specified amount. In assessing the results of the hydrostatic tests carried out, the above guideline values were used to determine whether or not the bund passed the integrity test.

3. Bund Integrity Assessment

Twelve bunds were tested on the site in December 2022 as detailed in Table 1. A site map showing location of bunds is provided at the end of the report.

Table 1: Bunds Tested at MC Building Chemicals

Bund Reference	Location	Adequate Capacity	Assessment Method	Assessment Result
Bund 1	Production Area 1	Yes	Visual	Pass
Bund 2	Production Area 1	Yes	Visual	Pass
Bund 5	Production Area 2	Yes	Visual	Pass
No. 15678	Laboratory tables	Yes	Visual & hydrostatic test	Pass
No. 15679	Laboratory tables	Yes	Visual & hydrostatic test	Pass
No. 15680	Laboratory tables	Yes	Visual & hydrostatic test	Pass
No. 15681	Production Area	Yes	Visual & hydrostatic test	Pass
Bund No. Z001	Production area	Yes	Visual & hydrostatic test	Pass
Bund No. Z003	Under Self-bunded Kerosene tank at front of site	Yes	Visual & hydrostatic test	Pass
SR520 Drip Tray	Offloading area	Yes	Visual & hydrostatic test	Pass
Lignex Drip Tray	Offloading area	Yes	Visual & hydrostatic test	Pass
Self-bunded Diesel Tank	Front of building	Yes	Visual	Pass

4. Results and Recommendations

Full details of tests, inspections, and recommendations are provided in the following record sheets.

Record Sheet for Bund Testing – Bund 1

Company: MC Building Chemicals	**Licence Reg. No.:** P0464-01
Site: Killycard, Castleblayney, Co. Monaghan	**IPC Category:** 5.7 & 5.9
Bund Ref. No.: Bund 1A	**Bund Type (Local/ Remote/ Combined/ Portable):** Local Bund
Bund Dimensions: 4.55m x 7.95m x 0.61m	**Primary Vessel(s) – Materials of Construction:** Steel tanks
Bund Materials of Construction: Concrete Brick	**Primary Vessel(s) – Total Storage Volume:** 38.2m^3 (1 x 18.2m^3, 1 x 20.0m^3)
Bund Lining Material: Water proof sealant	**Primary Vessel(s) – 110% of Volume of Largest Vessel:** 22.0m^3
Bund Retention Volume (local/remote): 22.1m^3	**Primary Vessel(s) – 25% of Volume of Total Storage Volume:** 9.55m^3
Deemed practical/safe to conduct hydrostatic test? Yes/No: No	
If no, give reasons: Low lying electrical equipment and pumps located in bund so not possible to put water in this area.	
HYDROSTATIC TEST DETAILS: N/A	
VISUAL TEST DETAILS: INSPECTION DESCRIPTION & RESULTS: Visual Inspection carried out on the 19th December 2022. Floors and walls of bund in good condition and bund was recently repaired and sealed.	
Result (Pass/Fail)	Pass
RECOMMENDATIONS: Bund passed visual inspection, therefore deemed to have passed. Retest again in 3 years (December 2025).	

SIGNED: *Patricia Murtagh*	**TITLE/POSITION:** Environmental Consultant	**DATE:** 19/12/22

Record Sheet for Bund Testing – Bund 2

Company: MC Building Chemicals	**Licence Reg. No.:** P0464-01
Site: Killycard, Castleblayney, Co. Monaghan	**IPC Category:** 5.7 & 5.9
Bund Ref. No.: Bund 1B	**Bund Type (Local/ Remote/ Combined/ Portable):** Local Bund
Bund Dimensions: 7.5m x 5m x 0.69m (cradles, pumps, and piping account for 1.0m^3) Two bunds side by side with low dividing wall, so this acts as one bunded area	**Primary Vessel(s) – Materials of Construction:** Steel tanks
Bund Materials of Construction: Concrete Brick	**Primary Vessel(s) – Total Storage Volume:** 38.4m^3 (1 x 16.2m^3, 1 x 22.2m^3)
Bund Lining Material: Water proof sealant	**Primary Vessel(s) – 110% of Volume of Largest Vessel:** 24.420m^3
Bund Retention Volume (local/remote): 24.875m^3	**Primary Vessel(s) – 25% of Volume of Total Storage Volume:** 9.6m^3
Deemed practical/safe to conduct hydrostatic test? Yes/No: No	
If no, give reasons: Low lying electrical equipment and pumps located in bund so not possible to put water in this area.	
HYDROSTATIC TEST DETAILS: N/A	
VISUAL TEST DETAILS: INSPECTION DESCRIPTION & RESULTS: Visual Inspection carried out on the 19th December 2022. Floors and walls of bund in good condition and bund was recently repaired and sealed.	
Result (Pass/Fail)	Pass
RECOMMENDATIONS: Bund passed visual inspection, therefore deemed to have passed. Retest again in 3 years (December 2025).	
SIGNED: *Patricia Murtagh*	**TITLE/POSITION:** Environmental Consultant **DATE:** 19/12/2022

Record Sheet for Bund Testing – Bund 5

Company: MC Building Chemicals	**Licence Reg. No.:** P0464-01
Site: Killycard, Castleblayney, Co. Monaghan	**IPC Category:** 5.7 & 5.9
Bund Ref. No.: Bund 2	**Bund Type (Local/ Remote/ Combined/ Portable):** Local Bund
Bund Dimensions: 12.0m x 4.4m x 1.22m (cradles, pumps, piping and base of tanks account for 7.0m^3)	**Primary Vessel(s) – Materials of Construction:** Steel tanks
Bund Materials of Construction: Concrete Brick	**Primary Vessel(s) – Total Storage Volume:** 2 x 20.0 m^3, (2 other tanks empty)
Bund Lining Material: Water proof sealant	**Primary Vessel(s) – 110% of Volume of Largest Vessel:** 22.0m^3
Bund Retention Volume (local/remote): 57.4m^3	**Primary Vessel(s) – 25% of Volume of Total Storage Volume:** 10.0m^3
Deemed practical/safe to conduct hydrostatic test? Yes/No: No	
If no, give reasons: Low lying electrical equipment and pumps located in bund so not possible to put water in this area.	
HYDROSTATIC TEST DETAILS: N/A	
VISUAL TEST DETAILS: INSPECTION DESCRIPTION & RESULTS: Visual Inspection carried out on the 19th December 2022. Floors and walls of bund in good condition and bund was recently repaired and sealed.	
Result (Pass/Fail)	Pass
RECOMMENDATIONS: Bund passed visual inspection, therefore deemed to have passed. Retest again in 3 years (October 2022).	

SIGNED:	**TITLE/POSITION:**	**DATE:**
Patricia Murtagh	Environmental Consultant	19/12/22

Record Sheet for Bund Testing – No. 15678

Company: MC Building Chemicals	**Licence Reg. No.:** P0464-01
Site: Killycard, Castleblayney, Co. Monaghan	**IPC Category:** 5.7 & 5.9
Bund Ref. No.: 15678	**Bund Type (Local/ Remote/ Combined/ Portable):** Local Bund
Bund Dimensions: 0.54m x 0.34m x 0.15m	**Primary Vessel(s) – Materials of Construction:** Plastic bottles
Bund Materials of Construction: Plastic	**Primary Vessel(s) – Total Storage Volume:** 21 x 0.5litre bottles (10.5 litres)
Bund Lining Material: Plastic	**Primary Vessel(s) – 110% of Volume of Largest Vessel:** 0.55 litres
Bund Retention Volume (local/remote): 20 litres	**Primary Vessel(s) – 25% of Volume of Total Storage Volume:** 2.625 litres
Deemed practical/safe to conduct hydrostatic test? Yes/No: Yes	
If no, give reasons:	

HYDROSTATIC TEST DETAILS:

BS 8007:1987 (Yes/No)?	Yes
Fill Rate	<1.5m in 24hrs
Stabilisation Period	24hrs
Duration of the Test	24hrs
Acceptance Criteria (Total permissible drop in water level)	10mm
Water Level Change in Reference Vessel	No

Date	Water Level in Bund	Water Level in Reference Vessel
19/12/22	3.2cm	4.0cm
20/12/22	3.0cm	3.8cm

Description / Comments of Hydrostatic Test:
The water level dropped slightly in the bund which also corresponds to the drop in the reference vessel. This is attributed to evaporation. Bund is in good condition.

VISUAL TEST DETAILS: INSPECTION DESCRIPTION & RESULTS:
Bund in good condition. No evidence of seepage of water.

Result (Pass/Fail)	Pass

RECOMMENDATIONS:
Bund test passed, so retest again in 3 years (December 2025).

SIGNED:	**TITLE/POSITION:**	**DATE:**
Patricia Murtagh	Environmental Consultant	04/01/23

Record Sheet for Bund Testing – No. 15679

Company: MC Building Chemicals	**Licence Reg. No.:** P0464-01
Site: Killycard, Castleblayney, Co. Monaghan	**IPC Category:** 5.7 & 5.9
Bund Ref. No.: 15679	**Bund Type (Local/ Remote/ Combined/ Portable):** Local Bund
Bund Dimensions: 0.54m x 0.34m x 0.15m	**Primary Vessel(s) – Materials of Construction:** Plastic bottles
Bund Materials of Construction: Plastic	**Primary Vessel(s) – Total Storage Volume:** 21 x 0.5litre bottles (10.5 litres)
Bund Lining Material: Plastic	**Primary Vessel(s) – 110% of Volume of Largest Vessel:** 0.55 litres
Bund Retention Volume (local/remote): 20 litres	**Primary Vessel(s) – 25% of Volume of Total Storage Volume:** 2.625 litres
Deemed practical/safe to conduct hydrostatic test? Yes/No: Yes	
If no, give reasons:	

HYDROSTATIC TEST DETAILS:

BS 8007:1987 (Yes/No)?	Yes
Fill Rate	<1.5m in 24hrs
Stabilisation Period	24hrs
Duration of the Test	24hrs
Acceptance Criteria (Total permissible drop in water level)	10mm
Water Level Change in Reference Vessel	No

Date and Time	Water Level in Bund	Water Level in Reference Vessel
19/12/22	3.0cm	4.0cm
20/12/22	2.8cm	3.8cm

Description / Comments of Hydrostatic Test:
The water level dropped slightly in the bund which also corresponds to the drop in the reference vessel. This is attributed to evaporation. Bund is in good condition.

VISUAL TEST DETAILS: INSPECTION DESCRIPTION & RESULTS:
Bund in good condition. No evidence of seepage of water.

Result (Pass/Fail)	Pass

RECOMMENDATIONS:
Bund test passed, so retest again in 3 years (December 2023).

SIGNED:	**TITLE/POSITION:**	**DATE:**
Patricia Murtagh	Environmental Consultant	04/01/22

Record Sheet for Bund Testing – No. 15680

Company: MC Building Chemicals	**Licence Reg. No.:** P0464-01
Site: Killycard, Castleblayney, Co. Monaghan	**IPC Category:** 5.7 & 5.9
Bund Ref. No.: 15680	**Bund Type (Local/ Remote/ Combined/ Portable):** Local Bund
Bund Dimensions: 0.54m x 0.34m x 0.15m	**Primary Vessel(s) – Materials of Construction:** Plastic bottles
Bund Materials of Construction: Plastic	**Primary Vessel(s) – Total Storage Volume:** 21 x 0.5litre bottles (10.5 litres)
Bund Lining Material: Plastic	**Primary Vessel(s) – 110% of Volume of Largest Vessel:** 0.55 litres
Bund Retention Volume (local/remote): 20 litres	**Primary Vessel(s) – 25% of Volume of Total Storage Volume:** 2.625 litres
Deemed practical/safe to conduct hydrostatic test? Yes/No: Yes	
If no, give reasons:	

HYDROSTATIC TEST DETAILS:

BS 8007:1987 (Yes/No)?	Yes
Fill Rate	<1.5m in 24hrs
Stabilisation Period	24hrs
Duration of the Test	24hrs
Acceptance Criteria (Total permissible drop in water level)	10mm
Water Level Change in Reference Vessel	No

Date and Time	Water Level in Bund	Water Level in Reference Vessel
19/12/22	3.0cm	4.0cm
20/12/22	2.8cm	3.8cm

Description / Comments of Hydrostatic Test:
The water level dropped slightly in the bund which also corresponds to the drop in the reference vessel. This is attributed to evaporation. Bund is in good condition.

VISUAL TEST DETAILS: INSPECTION DESCRIPTION & RESULTS:
Bund in good condition. No evidence of seepage of water.

Result (Pass/Fail)	Pass

RECOMMENDATIONS:
Bund test passed, so retest again in 3 years (December 2025).

SIGNED:	**TITLE/POSITION:**	**DATE:**
Patricia Murtagh	Environmental Consultant	04/01/23

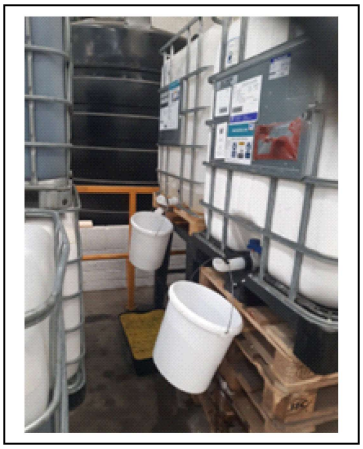
Record Sheet for Bund Testing – No. 15681

Company: MC Building Chemicals	**Licence Reg. No.:** P0464-01
Site: Killycard, Castleblayney, Co. Monaghan	**IPC Category:** 5.7 & 5.9
Bund Ref. No.: 15681	**Bund Type (Local/ Remote/ Combined/ Portable):** Local Bund
Bund Dimensions: 0.54m x 0.34m x 0.15m	**Primary Vessel(s) – Materials of Construction:** N/A
Bund Materials of Construction: Plastic	**Primary Vessel(s) – Total Storage Volume:** N/A – Drip Tray
Bund Lining Material: Plastic	**Primary Vessel(s) – 110% of Volume of Largest Vessel:** N/A – Drip Tray
Bund Retention Volume (local/remote): 20 litres	**Primary Vessel(s) – 25% of Volume of Total Storage Volume:** N/A – Drip Tray
Deemed practical/safe to conduct hydrostatic test? Yes/No: Yes	
If no, give reasons:	

HYDROSTATIC TEST DETAILS:

BS 8007:1987 (Yes/No)?	Yes
Fill Rate	<1.5m in 24hrs
Stabilisation Period	24hrs
Duration of the Test	24hrs
Acceptance Criteria (Total permissible drop in water level)	10mm
Water Level Change in Reference Vessel	No

Date and Time	Water Level in Bund	Water Level in Reference Vessel
19/12/22	2.0cm	11.5cm
20/12/22	2.0cm	11.5cm



Description / Comments of Hydrostatic Test:
There was no change in water level in the bund or reference vessel over 24 hours.

VISUAL TEST DETAILS: INSPECTION DESCRIPTION & RESULTS:
Bund in good condition. No evidence of seepage of water.

Result (Pass/Fail)	Pass

RECOMMENDATIONS:
Bund test passed, so retest again in 3 years (December 2025).

SIGNED:	**TITLE/POSITION:**	**DATE:**
Patricia Murtagh	Environmental Consultant	04/01/23

Record Sheet for Bund Testing – No. Z001

Company: MC Building Chemicals	**Licence Reg. No.:** P0464-01
Site: Killycard, Castleblayney, Co. Monaghan	**IPC Category:** 5.7 & 5.9
Bund Ref. No.: Z001	**Bund Type (Local/ Remote/ Combined/ Portable):** Local Bund
Bund Dimensions: 0.59m x 0.8m x 0.15m	**Primary Vessel(s) – Materials of Construction:** N/A
Bund Materials of Construction: Plastic	**Primary Vessel(s) – Total Storage Volume:** N/A – Drip Tray
Bund Lining Material: Plastic	**Primary Vessel(s) – 110% of Volume of Largest Vessel:** N/A – Drip Tray
Bund Retention Volume (local/remote): 40 litres	**Primary Vessel(s) – 25% of Volume of Total Storage Volume:** N/A – Drip Tray
Deemed practical/safe to conduct hydrostatic test? Yes/No: Yes	
If no, give reasons:	

HYDROSTATIC TEST DETAILS:

BS 8007:1987 (Yes/No)?	Yes
Fill Rate	<1.5m in 24hrs
Stabilisation Period	24hrs
Duration of the Test	24hrs
Acceptance Criteria (Total permissible drop in water level)	10mm
Water Level Change in Reference Vessel	No

Date and Time	Water Level in Bund	Water Level in Reference Vessel
19/12/22	3.0cm	11.5cm
20/12/22	3.0cm	11.5cm

Description / Comments of Hydrostatic Test:
There was no change in water level in the bund or reference vessel over 24 hours.

VISUAL TEST DETAILS: INSPECTION DESCRIPTION & RESULTS:
Bund in good condition. No evidence of seepage of water.

Result (Pass/Fail)	Pass

RECOMMENDATIONS:
Bund test passed, so retest again in 3 years (December 2022).

SIGNED:	**TITLE/POSITION:**	**DATE:**
Patricia Murtagh	Environmental Consultant	04/01/23

Record Sheet for Bund Testing – No. Z003

Company: MC Building Chemicals	**Licence Reg. No.:** P0464-01
Site: Killycard, Castleblayney, Co. Monaghan	**IPC Category:** 5.7 & 5.9
Bund Ref. No.: Z003	**Bund Type (Local/ Remote/ Combined/ Portable):** Local Bund
Bund Dimensions: 1.2m x 0.8m x 0.18m	**Primary Vessel(s) – Materials of Construction:** Plastic Self-bunded Kerosene tank
Bund Materials of Construction: Plastic	**Primary Vessel(s) – Total Storage Volume:** N/A – Drip Tray
Bund Lining Material: Plastic	**Primary Vessel(s) – 110% of Volume of Largest Vessel:** N/A – Drip Tray
Bund Retention Volume (local/remote): 100 litres	**Primary Vessel(s) – 25% of Volume of Total Storage Volume:** N/A – Drip Tray
Deemed practical/safe to conduct hydrostatic test? Yes/No: Yes	
If no, give reasons:	

HYDROSTATIC TEST DETAILS:

BS 8007:1987 (Yes/No)?	Yes
Fill Rate	<1.5m in 24hrs
Stabilisation Period	24hrs
Duration of the Test	24hrs
Acceptance Criteria (Total permissible drop in water level)	10mm
Water Level Change in Reference Vessel	No

Date and Time	Water Level in Bund	Water Level in Reference Vessel
19/12/22	2.0cm	11.5cm
20/12/22	2.0cm	11.5cm

Description / Comments of Hydrostatic Test:
There was no change in water level in the bund or reference vessel over 24 hours.

VISUAL TEST DETAILS: INSPECTION DESCRIPTION & RESULTS:
Bund in good condition. No evidence of seepage of water.

Result (Pass/Fail)	Pass

RECOMMENDATIONS:
Bund test passed, so retest again in 3 years (December 2025).

SIGNED:	**TITLE/POSITION:**	**DATE:**
Patricia Murtagh	Environmental Consultant	04/01/23

Record Sheet for Bund Testing – SR520 Drip Tray

Company: MC Building Chemicals	**Licence Reg. No.:** P0464-01
Site: Killycard, Castleblayney, Co. Monaghan	**IPC Category:** 5.7 & 5.9
Bund Ref. No.: SR520 Drip Tray	**Bund Type (Local/ Remote/ Combined/ Portable):** Local Bund
Bund Dimensions: 2.2m x 0.4m x 0.15m	**Primary Vessel(s) – Materials of Construction:** N/A
Bund Materials of Construction: Steel	**Primary Vessel(s) – Total Storage Volume:** N/A – Drip Tray
Bund Lining Material: Steel painted with sealant	**Primary Vessel(s) – 110% of Volume of Largest Vessel:** N/A – Drip Tray
Bund Retention Volume (local/remote): 130 litres	**Primary Vessel(s) – 25% of Volume of Total Storage Volume:** N/A – Drip Tray
Deemed practical/safe to conduct hydrostatic test? Yes/No: Yes	
If no, give reasons:	

HYDROSTATIC TEST DETAILS:

BS 8007:1987 (Yes/No)?	Yes
Fill Rate	<1.5m in 24hrs
Stabilisation Period	24hrs
Duration of the Test	24 hrs
Acceptance Criteria (Total permissible drop in water level)	10mm
Water Level Change in Reference Vessel	No

Date and Time	Water Level in Bund	Water Level in Reference Vessel
19/12/22	1.0cm	11.5cm
20/12/22	1.0cm	11.5cm

Description / Comments of Hydrostatic Test:
There was no change in water level in the bund or reference vessel over 24 hours.

VISUAL TEST DETAILS: INSPECTION DESCRIPTION & RESULTS:
Bund in good condition. No evidence of seepage of water.

Result (Pass/Fail)	Pass

RECOMMENDATIONS:
Bund test passed, so retest again in 3 years (December 2023).

SIGNED:	**TITLE/POSITION:**	**DATE:**
Patricia Murtagh	Environmental Consultant	04/01/23

Record Sheet for Bund Testing – Lignex Drip Tray

Company: MC Building Chemicals	**Licence Reg. No.:** P0464-01
Site: Killycard, Castleblayney, Co. Monaghan	**IPC Category:** 5.7 & 5.9
Bund Ref. No.: Lignex Drip Tray	**Bund Type (Local/ Remote/ Combined/ Portable):** Local Bund
Bund Dimensions: 2.2m x 0.4m x 0.15m	**Primary Vessel(s) – Materials of Construction:** N/A
Bund Materials of Construction: Steel	**Primary Vessel(s) – Total Storage Volume:** N/A – Drip Tray
Bund Lining Material: Steel painted with sealant	**Primary Vessel(s) – 110% of Volume of Largest Vessel:** N/A – Drip Tray
Bund Retention Volume (local/remote): 130 litres	**Primary Vessel(s) – 25% of Volume of Total Storage Volume:** N/A – Drip Tray
Deemed practical/safe to conduct hydrostatic test? Yes/No: Yes	
If no, give reasons:	

HYDROSTATIC TEST DETAILS:

BS 8007:1987 (Yes/No)?	Yes
Fill Rate	<1.5m in 24hrs
Stabilisation Period	24hrs
Duration of the Test	24 hrs
Acceptance Criteria (Total permissible drop in water level)	10mm
Water Level Change in Reference Vessel	No

Date and Time	Water Level in Bund	Water Level in Reference Vessel
19/12/22	1.0cm	11.5cm
20/12/22	1.0cm	11.5cm

Description / Comments of Hydrostatic Test:
There was no change in water level in the bund or reference vessel over 24 hours.

VISUAL TEST DETAILS: INSPECTION DESCRIPTION & RESULTS:
Bund in good condition. No evidence of seepage of water.

Result (Pass/Fail)	Pass

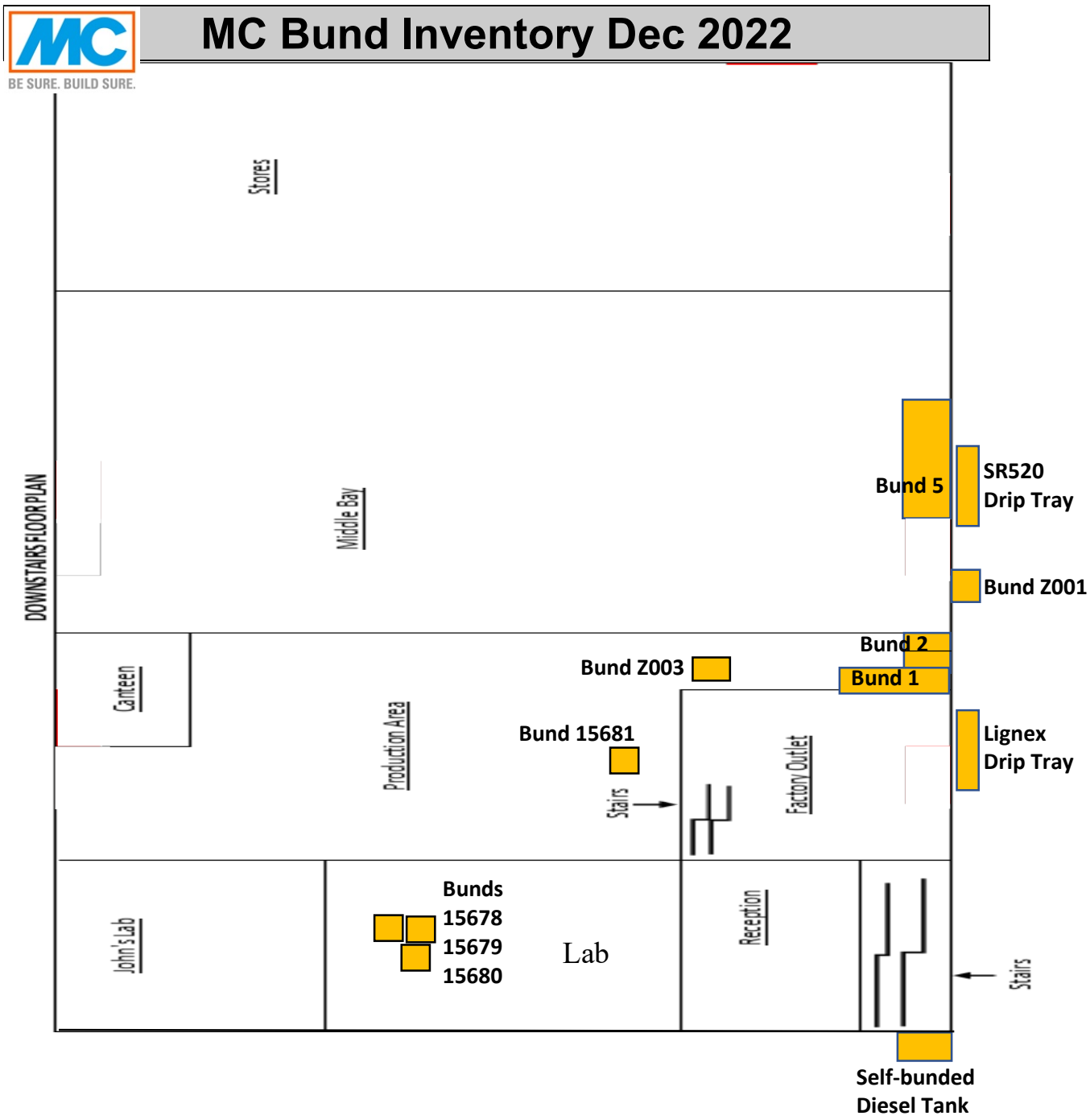
RECOMMENDATIONS:
Bund test passed, so retest again in 3 years (December 2023).

SIGNED:	**TITLE/POSITION:**	**DATE:**
Patricia Murtagh	Environmental Consultant	04/01/23

Self-Bunded Tank

One double skin, self-bunding tanks is in place at the site. This tank was visually inspected on 19/12/22.

Tank Capacity:	2,000 litres
Bund Capacity:	Double Skin, therefore self bunding
Tank Servicing:	Offices
Location of Tank:	Located along footpath beside wall at front corner of site.
Condition of Tank:	Good condition, with protective wall and protection around pipework
Conclusion:	Tank double skin, so does not require external bunding. Located in secure area, protected from traffic impact and visually inspected by site management on a regular basis.


MC Bund Inventory Dec 2022
BE SURE. BUILD SURE.
DOWNSTAIRS FLOOR PLAN
Stores
Middle Bay
Canteen
Production Area
John's Lab
Lab
Reception
Factory Outlet
Stairs
Stairs
Bund 5
SR520
Drip Tray
Bund Z001
Bund 2
Bund 1
Bund Z003
Bund 15681
Lignex
Drip Tray
Bunds
15678
15679
15680
Self-bunded
Diesel Tank