Technical Guidance Note

IPPC H7 (Reporting Template 5)

Integrated Pollution Prevention and Control (IPPC)

Template for

First Phase Reporting of the Site Protection and Monitoring Programme for Installations where Reference Data is NOT Required

Commissioning Organisation

Environment Agency

Rio House

Waterside Drive

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First published 2003

This version August 2003

Record of changes

Version	Date	Change
1	August 2003	Initial issue for external consultation as a working draft document

Note

Queries about the content of this document should be made to Helen Moorhouse at helen.moorhouse@environment-agency.gov.uk or sent in writing please to the address below

Environment Agency

Richard Fairclough House

Knutsford Road

Latchford
Warrington
WA4 1HG

INTRODUCTION

This document presents a reporting template for Operators to use when reporting the first phase of a Site Protection and Monitoring Programme for installations that do not require reference data to be collected It is designed to assist Operators with the submission of the correct information in a suitable format to the Agency and should be completed in full

The Agency will review the content and format of this reporting template following any feedback received

Where there are deficiencies or uncertainties in the information provided these should be clearly marked and annotated to indicate where further data gathering may be required It must be used in conjunction with the following guidance document

Guidance on the Protection of Land Under the PPC Regime Application Site Report and Site Protection And Monitoring Programme

NOTES ON THE USE OF THE TEMPLATE

In the template those parts written in red italics and enclosed in square brackets (i e [italics]) indicate where relevant information and or assessment is required to be entered In entering this information the italics should be deleted along with the brackets or written over and the text reformatted to normal style

Where text in red italics appears prefixed with the word "Note" in bold (i e [NOTE italics]) this provides guidance on filling in the relevant [italics] part On completion of the [italics] part the [NOTE italics] should be deleted from the final report prior to submission

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FIRST PHASE REPORTING OF THE

SITE PROTECTION AND MONITORING PROGRAMME

FOR BARRY ALUMINIUM CHLOROHYDRATE PLANT CF63 3RA OPERATED BY ALEMBIC MANUFACTURING LTD

REFERENCE DATA IS NOT REQUIRED

15 January 2017

Contents

Summary

This document represents the ninth report of the Site Protection and Monitoring Programme (SPMP)
for BARRY ALUMINIUM CHLOROHYDRATE PLANT CF63 3RA submitted to the Environment Agency in pursuance of Condition 2 10 9 of the
Permit No MP3431SP (the "Permit") authorising the operation of BARRY ALUMINIUM CHLOROHYDRATE PLANT CF63 3RA (the "installation")

The scope of this monitoring is detailed within the Design SPMP submitted in pursuance of Condition
4 1 7 of the above mentioned Permit This document should be read in conjunction with both documents

The monitoring programme for the site is presented in Section 3 of the Design SPMP

1 0 Introduction

This report has been prepared by David Randall managing director of Alemmbic manufacturing Ltd

1 1 Site Location

The installation is located at BARRY DOCKS The centre of the site is at National Grid Reference 313170E 167760N The site covers an area of 0 065 Ha and can be seen in Figure 1 of Appendix A1

2 0 Monitoring Programme

2 1 Objectives of the Monitoring Programme
As in SPMP Second issue dated January 2006

2 2 Monitoring Programme

2 3 Infrastructure Monitoring Programme

The infrastructure monitoring programme meets the objectives identified within Section 2 1 above and thus there are no changes to the Design SPMP for the installation

2 3 1 Personnel Issues

Personnel responsible for the inspection, testing and maintenance of pollution prevention infrastructure are to be trained to an appropriate level to ensure compliance with the Programme Roles and responsibilities for undertaking the Programme (including reporting) and ensuring adequate competence of staff are shown in Appendix B2

2 4 Assessment and Reporting Procedures

2 4 1 Assessment Procedure

Infrastructure monitoring program

As shown in table 3 2 of SPMP we carry out regular monitoring of infrastructure to ensure continued environmental protection
Infrastructure condition is monitored by senior management and/or responsible Staff To ensure traceability recorded inspections are signed off by approved Staff and results kept in file Any deterioration is logged and individual progress sheet generated to record results and corrective action

Conformance with low impact Criteria and summary of environmental performance -

The use of raw materials energy and production of waste etc will be monitored by senior management to ensure continued compliance with low impact criteria as in our permit Annual report will detail this performance and a general summary will be provided to explain any changes and improvements or planned improvements

2 4 2 Reporting Procedure

Summaries of the monitoring data will be sent to the Agency by the 31st of January each alternate year along with the results of the data assessment and any recommendations for amendments to the monitoring programme

Infrastructure monitoring is reported direct to Senior management Any concerns by any staff are to be reported immediately and if relevant will be included in maintenance/monitoring program

All staff are responsible for good environmental practice Staff monitoring ESP infrastructure have additional responsibility to ensure any faults are recorded logged and brought to attention of relevant staff (usually management) for action

In case of emergency such as leakage or other unplanned emission immediate steps are taken to minimise problem in consultation with management Management will take resposibility for informing relevant emergency services and authorities such as fire service Water authority local authority and for reporting incident to Environment Agency format of Schedule 1 Notification of Abnormal emissions would be used as on page 17 of our permit no MP3431SP

The formats for standard and emergency reporting procedures are shown in Appendix B3

2 4 3 Recording and Data Management

The results of our infrastructure monitoring program are attached in Appendix C

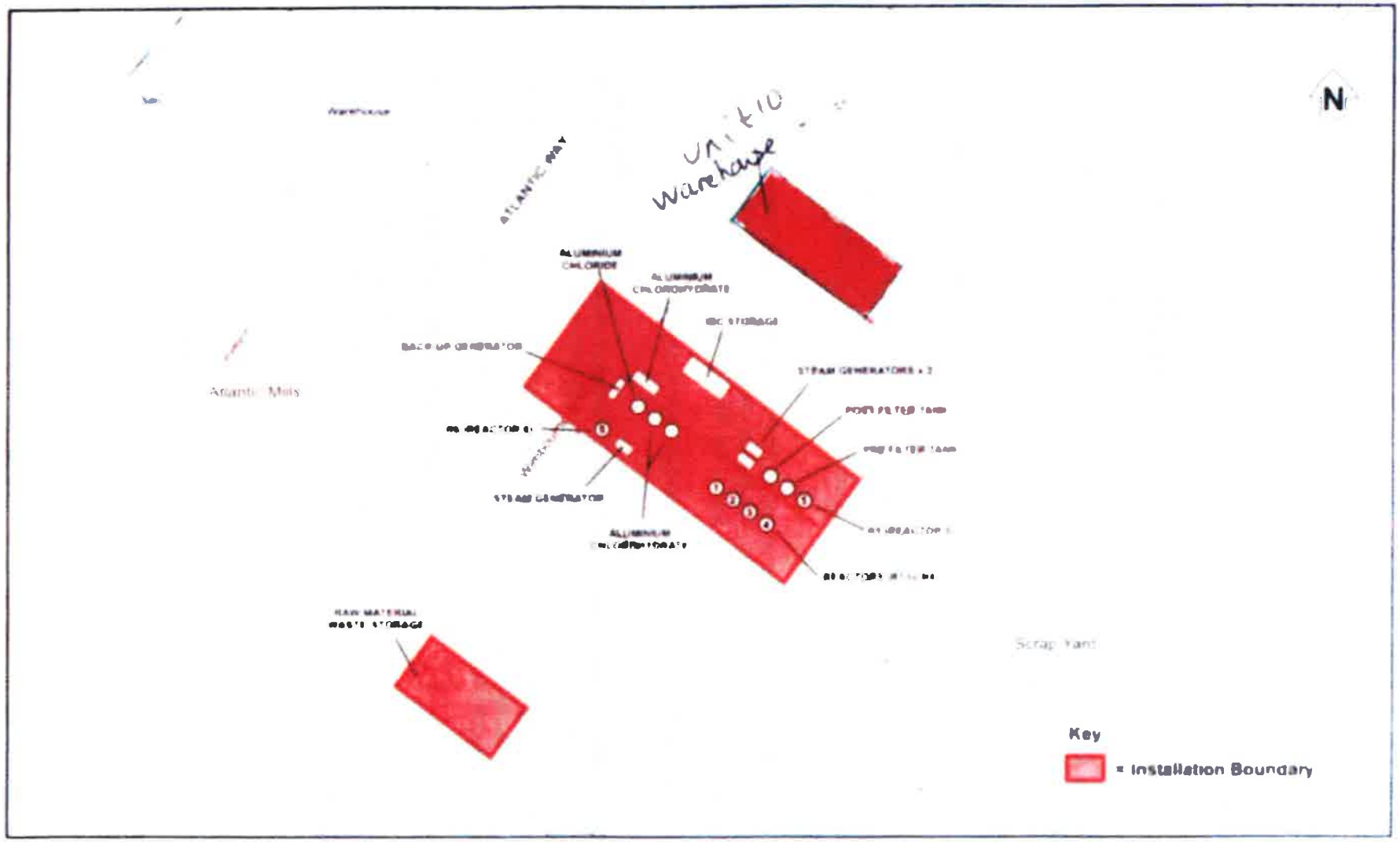
3 0 Other Issues

4 0 References

5 0 Glossary

APPENDIX A

Site location Plan



ENVIRON ENVIRON UK Limited	8 Village Way, Caerleon CARDIFF, CF15 7NE Tel: 029 2064 1550 Fax: 029 2062 5768	Figure 2 Installation Boundaries and Storage Locations	Client: Alembic Manufacturing Ltd Scale: 1:1,000 Date: August 2005 Project No: 64-9149 Drawn by: MVA

Modified 12/11/12

APPENDIX B

INSPECTION AND MONITORING PROTOCOLS

Contents

B1 Monitoring Protocols

B2 Inspection Testing and Maintenance Protocols

B3 Reporting Procedures

B1 Monitoring Protocols

Environmental protection infrastructure is monitored as desribed in our SPMP Issue January 2006 and as shown in App C and described in **B2** There are no Environmental monitoring protocols applicable to this site

B2 Inspection,testing and Maintenance Protocols

All staff are encouraged to be aware during normal working of any equipment or infrastructure changes/degradation and to report any such observations to Senior Management who will instigate further inspection monitoring and/or remedial action as required

In addition certain staff have responsibility for carrying out general site/infrastructure inspections on a weekly basis and signing off at end of week to record inspections carried out as per SPMP

The records of inspections for 2016 are attached at end of this report Appendix C

Results of monitoring and action sheets are kept in file at unit 6 available to all staff for inspection checking These records will be maintained over the time of plant operation and extended as necessary to provide record of condition and maintenance of plant and infrastructure

Opportunity is also taken to inspect environmentally sensitive plant whenever site operations provide Thus reaction tanks are emptied daily and checked for degradation Periodic renewal of items such as cooling coils and maintenance entails emptying washing out and the opportunity for closer inspection from the inside

B3 Reporting Procedures

Standard Internal Procedures are as shown in App C The final responsibility rests with the Managers John Tann and David Randall The three Registered staff David Phillips Kevin Barry and Jonathan Blake are tasked with reporting any faults issues or degradations to the management for action Other staff are encourage to alert senior staff or management if they notice or suspect degradation at any time

Emergency reporting procedures.

In case of abnormal emission leak or failure of containment which could lead to environmental pollution The first responsibility is to alert management and registered staff who will take steps to prevent/minimise environmental impact by most appropriate methods Management will be responsible for reporting incident to relevant authorities in order of urgency eg Fire Police Port or Water Authorities to minimise effects of major emission on environment Management will also be responsible for filing Notification of abnormal emission with PPC as in page 17 of our permit copy attached App C

APPENDIX C

Contents

INFRASTRUCTURE MONITORING ASSESSMENT PROCEDURE AND REPORTING STRUCTURE

Regular inspection of environmental protection infrastructure is carried out by registered staff on a regular basis as detailed in our SPMP plan table 1 attached.

Weekly records of inspection are recorded with initials to identify inspecting staff.

If there are no issues to report the comments box is left blank . If degradation or other issue is observed this is reported immediately to management, an action sheet raised and the date and grid reference of the problem noted in comments box.

The action sheet is kept on file with actions taken detailed. File is kept open until problem resolved. Completed action file is kept in ring binder with other records.

All staff are encouraged to report any suspect areas to Registered staff or management for assessment.

Senior staff (directors) are responsible for authorising/approving any corrective action.

ISSUE 1 January 2006

REGISTERED STAFF FOR INFRASTRUCTURE MONITORING

Role	Initials	Approval Signature
Director		
Director		
Process/ISO		
Process/Warehouse		
Process/Warehouse		

SSUE 2 January 2010

Schedule 1 - Notification of abnormal emissions

This page outlines the information that the Operator must provide to satisfy conditions 5.1.1 and 5.1.2 of th Permit

Units of measurement used in information supplied under Part A and B requirements shall be appropriate t the circumstances of the emission. Where appropriate, a comparison should be made of actual emission and authorised emission limits.

If any information is considered commercially confidential, it should be separated from non-confidenti information, supplied on a separate sheet and accompanied by an application for commercial confidentialit under the provisions of the PPC Regulations.

Part A

Permit Number	
Name of Operator	
Location of Installation	
Location of the emission	
Time and date of the emission	

Substance(s) emitted	Media	Best estimate of the quantity or the rate of emission	Time during which the emission took place

Measures taken, or intended to be taken, to stop the emission	

Part B

Any more accurate information on the matters for notification under Part A	
Measures taken, or intended to be taken, to prevent a recurrence of the incident	
Measures taken, or intended to be taken, to rectify, limit or prevent any pollution of the environment or harm which has been or may be caused by the emission	
The dates of any unauthorised emissions from the installation in the preceding 24 months	

Name*	
Post	
Signature	
Date	

* authorised to sign on behalf of ALEMBIC MANUFACTURING LIMITED

JOEMBC MANUFACTURING LTD

INFRASTRUCTURE MONITORING RECORDS

YEAR 2015

WEEK No	BUNDS	INTL	CHEMICAL REACTORS	INTL	CHEMICAL STORAGE	INTL	FLOORS	INTL	ROADWAY	INTL
	COMMENTS		COMMENTS		COMMENTS		COMMENTS		COMMENTS	
1	✓	JB	✓	JB	✓	JB	✓	JB	✓	JB
2	OK	JB	OK	JB	OK	JB	OK	JB	OK	JB
3	OK	JB	OK	JB	OK	JB	OK	JB	OK	JB
4	[illegible]	JB	OK	JB	OK	JB	OK	JB	OK	JB
5	OK	JB	OK	JB	OK	JB	OK	JB	OK	JB
6	Fine	AN	Fine	AN	Fine	AN	Fine	AN	Fine	AN
7	Good	AN	Good	AN	Good	AN	Good	AN	Good	AN
8	✓		✓		✓		✓		✓	JB
9	✓		✓		✓		✓		✓	JB
10	✓		✓		✓		✓		✓	JB
11	/		/		/		/		/	JB
12	/		/		/		/		/	JB
13.	/		/		/		/		/	JB

Unit 6 + 7

ASSEMBLY MANUFACTURING LTD

INFRASTRUCTURE MONITORING RECORDS

YEAR 2015

WEEK No.	BUNDS		CHEMICAL REACTORS		CHEMICAL STORAGE		FLOORS		ROADWAY	
	COMMENTS	INTL	COMMENTS	INTL	COMMENTS	INTL	COMMENTS	INTL	COMMENTS	INTL
14	Bunds Replaced by new ones	JB	✓		✓		✓		✓	JB
15	✓		✓		✓		✓		✓	JS
16	✓		✓		✓		✓		✓	JS
17	✓		✓		✓		✓		✓	JS
18	Fine	AN	Fine	AN	Fine	AN	Fine	AN	Fine	AN
19	✓		✓		✓		✓		✓	JS
20	✓		✓		✓		✓		✓	JS
21	✓		✓		✓		✓		✓	JS
22	✓		✓		✓		✓		✓	JS
23	✓		✓		✓		✓		✓	JS
24	✓		✓		✓		✓		✓	JS
25	✓		✓		✓		✓		✓	JS
26	✓		✓		✓		✓		✓	JS

UNIT 011

ALUMEC MANUFACTURING LTD.

INFRASTRUCTURE MONITORING RECORDS

YEAR 2015

WEEK NO	BUNDS		CHEMICAL REACTORS		CHEMICAL STORAGE		FLOORS		ROADWAY	
	COMMENTS	INTL	COMMENTS	INTL	COMMENTS	INTL	COMMENTS	INTL	COMMENTS	INTL
27	✓		✓		✓		✓		✓	JB
28	✓		✓		✓		✓		✓	JB
29	✓		✓		✓		✓		✓	JB
30	✓		✓		✓		✓		✓	JB
31	✓		✓		✓		✓		✓	JB
32	✓		✓		✓		✓		✓	JB
33	✓		✓		✓		✓		✓	JB
34	✓		✓		✓		✓		✓	JB
35	✓		✓		✓		✓		✓	JB
36	✓		✓		✓		✓		✓	JB
37	✓		✓		✓		✓		✓	JB
38	✓		✓		✓		✓		✓	JB
39	✓		✓		✓		✓		✓	JB

ACME MANUFACTURING LTD.

INFRASTRUCTURE MONITORING RECORDS

YEAR 2015

	BUNDS		CHEMICAL REACTORS		CHEMICAL STORAGE		FLOORS		ROADWAY	
WEEK No	COMMENTS	INTL	COMMENTS	INTL	COMMENTS	INTL	COMMENTS	INTL	COMMENTS	INTL
40	(Good)		(Good)		(Good)		(Good)		[illegible]	[illegible]
41	OK		OK		OK		OK		OK	JC3
42	OK		OK		OK		OK		OK	JC3
43	OK		OK		OK		OK		OK	JS
44	OK		OK		OK		OK		OK	JS
45	✓		✓		✓		✓		✓	JS
46	✓		✓		✓		✓		✓	JS
47	✓		✓		✓		✓		✓	JS
48	GOOD		GOOD		GOOD		GOOD		GOOD	JS.
49	✓		✓		✓		✓		✓	JS
50	✓		✓		✓		✓		✓	JS
51	✓		✓		✓		✓		✓	JS
52										

UNIT 10

ALEMBIC MANUFACTURING LTD

INFRASTRUCTURE MONITORING RECORDS

YEAR 2015

	BUNDS		CHEMICAL REACTORS		CHEMICAL STORAGE		FLOORS		ROADWAY	
WEEK No	COMMENTS	INTL	COMMENTS	INTL	COMMENTS	INTL	COMMENTS	INTL	COMMENTS	INTL
1	No Problems		N/A		N/A		No Problems		N/A	JB.
2	✓						✓			JB
3	✓						✓			JB
4	✓						✓			JB
5	✓						✓			JB
6	FINE	AN					FINE	AN		AN
7	GOOD	AN					GOOD	AN		AN
8	✓						✓			JB
9	✓						✓			JB
10	✓						✓			JB
11	✓						✓			JB
12	✓						✓			JB
13	✓						✓			JB

ALEMBIC MANUFACTURING LTD

INFRASTRUCTURE MONITORING RECORDS

YEAR 2015

	BUNDS		CHEMICAL REACTORS		CHEMICAL STORAGE		FLOORS		ROADWAY	
WEEK No	COMMENTS	INTL	COMMENTS	INTL	COMMENTS	INTL	COMMENTS	INTL	COMMENTS	INTL
14	✓						✓			JB
15	✓						✓			JB
16	✓						✓			JB
17	✓						✓			JB
18	FINE	AN					FINE	AN		AN
19	✓						✓			JB
20	✓						✓			JB
21	✓						✓			JB
22	✓						✓			JB
23	✓						✓			JB
24	✓						✓			JB
25	✓						✓			JB
26	✓						✓			JB

ALEMBIC MANUFACTURING LTD

INFRASTRUCTURE MONITORING RECORDS

YEAR 2015

	BUNDS		CHEMICAL REACTORS		CHEMICAL STORAGE		FLOORS		ROADWAY	
WEEK NO	COMMENTS	INTL	COMMENTS	INTL	COMMENTS	INTL	COMMENTS	INTL	COMMENTS	INTL
27	✓						✓			JB
28	✓						✓			JB
29	✓						✓			JB
30	✓						✓			JB
31	✓						✓			JB
32	✓						✓			JB
33	✓						✓			JB
34	✓						✓			JB
35	✓						✓			JB
36	✓						✓			JB
37	✓						✓			JB
38	✓						✓			JB
39	✓						✓			JB

ALEMBIC MANUFACTURING LTD

INFRASTRUCTURE MONITORING RECORDS

YEAR 2015

	BUNDS		CHEMICAL REACTORS		CHEMICAL STORAGE		FLOORS		ROADWAY	
WEEK No	COMMENTS	INTL	COMMENTS	INTL	COMMENTS	INTL	COMMENTS	INTL	COMMENTS	INTL
40	✓						✓			JB
41	✓						✓			JB
42	✓						✓			JB
43	✓						✓			JB
44	✓						✓			JB
45	✓						✓			JB
46	✓						✓			JB
47	✓						✓			JB
48	✓						✓			JB
49	✓						✓			JB
50	✓						✓			JB
51	✓						✓			JB
52										

UNIT 8 T

ACME MANUFACTURING LTD

INFRASTRUCTURE MONITORING RECORDS

YEAR 2016

	BUNDS		CHEMICAL REACTORS		CHEMICAL STORAGE		FLOORS		ROADWAY	
WEEK No	COMMENTS	INTL	COMMENTS	INTL	COMMENTS	INTL	COMMENTS	INTL	COMMENTS	INTL
1	✓		✓		✓		✓		✓	JS
2	✓		✓		✓		✓		✓	JS
3	✓		✓		✓		✓		✓	JS
4	✓		✓		✓		✓		✓	JS
5	✓		✓		✓		✓		✓	JS
6	✓		✓		✓		✓		✓	JS
7	✓		✓		✓		✓		✓	JS
8	✓		✓		✓		✓		✓	JS
9	✓		✓		✓		✓		✓	JS
10	✓		✓		✓		✓		✓	JS
11	✓		✓		✓		✓		✓	JS
12	✓		✓		✓		✓		✓	JS
13	✓		✓		✓		✓		✓	JS

A. CIBBC MANUFACTURING LTD

INFRASTRUCTURE MONITORING RECORDS

YEAR 2016

	BUNDS		CHEMICAL REACTORS		CHEMICAL STORAGE		FLOORS		ROADWAY	
WEEK NO	COMMENTS	INTL	COMMENTS	INTL	COMMENTS	INTL	COMMENTS	INTL	COMMENTS	INTL
14	✓		✓		✓		✓		✓	JB
15	✓		✓		✓		✓		✓	JB
16	✓		✓		✓		✓		✓	JB
17	✓		✓		✓		✓		✓	JS
18	✓		✓		✓		✓		✓	JB
19	✓		✓		✓		✓		✓	JB
20	✓		✓		✓		✓		✓	JB
21	✓		✓		✓		✓		✓	JS
22	✓		✓		✓		✓		✓	JS
23	✓		✓		✓		✓		✓	JB
24	✓		✓		✓		✓		✓	JS
25	✓		✓		✓		✓		✓	JB
26	✓		✓		✓		✓		✓	JS

ACEMBL MANUFACTURING LTD

INFRASTRUCTURE MONITORING RECORDS

YEAR 2016

	BUNDS		CHEMICAL REACTORS		CHEMICAL STORAGE		FLOORS		ROADWAY	
WEEK No.	COMMENTS	INTL	COMMENTS	INTL	COMMENTS	INTL	COMMENTS	INTL	COMMENTS	INTL
27	✓		✓		✓		✓		✓	
28	✓		✓		✓		✓		✓	
29	✓		✓		✓		✓		✓	
30	✓		✓		✓		✓		✓	
31	✓		✓		✓		✓		✓	
32	✓		✓		✓		✓		✓	
33	✓		✓		✓		✓		✓	
34	✓		✓		✓		✓		✓	
35	✓		✓		✓		✓		✓	
36	✓		✓		✓		✓		✓	
37	✓		✓		✓		✓		✓	
38	✓		✓		✓		✓		✓	
39	✓		✓		✓		✓		✓	

ALEMBIC MANUFACTURING LTD

INFRASTRUCTURE MONITORING RECORDS

YEAR 2016

	BUNDS		CHEMICAL REACTORS		CHEMICAL STORAGE		FLOORS		ROADWAY	
WEEK No	COMMENTS	INTL	COMMENTS	INTL	COMMENTS	INTL	COMMENTS	INTL	COMMENTS	INTL
40	✓		✓		✓		✓		✓	JS
41	✓		✓		✓		✓		✓	JS
42	✓		✓		✓		✓		✓	JS
43	✓		✓		✓		✓		✓	JS
44	✓		✓		✓		✓		✓	JS
45	✓		✓		✓		✓		✓	JS
46	✓		✓		✓		✓		✓	JS
47	✓		✓		✓		✓		✓	JS
48	✓		✓		✓		✓		✓	JS
49	✓		✓		✓		✓		✓	JS
50	✓		✓		✓		✓		✓	JS
51	✓		✓		✓		✓		✓	JS

UNIT 10

ACEMEC MANUFACTURING LTD

INFRASTRUCTURE MONITORING RECORDS

YEAR 2016

	BUNDS		CHEMICAL REACTORS		CHEMICAL STORAGE		FLOORS		ROADWAY	
WEEK No	COMMENTS	INTL	COMMENTS	INTL	COMMENTS	INTL	COMMENTS	INTL	COMMENTS	INTL
1	✓		N/A		N/A		✓		N/A	JB
2	✓						✓			JB
3	✓						✓			JB
4	✓						✓			JB
5	✓						✓			JB
6	✓						✓			JB
7	✓						✓			JB
8	✓						✓			JB
9	✓						✓			JB
10	✓						✓			JB
11	✓						✓			JB
12	✓						✓			JB
13	✓						✓			JB

ALEMBIC MANUFACTURING LTD

INFRASTRUCTURE MONITORING RECORDS

YEAR 2016

	BUNDS		CHEMICAL REACTORS		CHEMICAL STORAGE		FLOORS		ROADWAY	
WEEK No	COMMENTS	INTL	COMMENTS	INTL	COMMENTS	INTL	COMMENTS	INTL	COMMENTS	INTL
14	✓	JB					✓	JB		
15	✓	JB					✓	JB		
16	✓	JB					✓	JB		
17	✓	JB					✓	JB		
18	✓	JB					✓	JB		
19	✓	JB					✓	JB		
20	✓	JB					✓	JB		
21	✓	JB					✓	JB		
22	✓	JB					✓	JB		
23	✓	JB					✓	JB		
24	✓	JB					✓	JB		
25	✓	JB					✓	JB		
26	✓	JB					✓	JB		

ALEMBIC MANUFACTURING LTD

INFRASTRUCTURE MONITORING RECORDS

YEAR: 2016

	BUNDS		CHEMICAL REACTORS		CHEMICAL STORAGE		FLOORS		ROADWAY	
WEEK No	COMMENTS	INTL	COMMENTS	INTL	COMMENTS	INTL	COMMENTS	INTL	COMMENTS	INTL
27	✓	JB					✓	JB		
28	✓	JB					✓	JB		
29	✓	JB					✓	JB		
30	✓	JB					✓	JB		
31	✓	JB					✓	JB		
32	✓	JB					✓	JB		
33	✓	JB					✓	JB		
34	✓	JB					✓	JB		
35	✓	JB					✓	JB		
36	✓	JB					✓	JB		
37	✓	JB					✓	JB		
38	✓	JB					✓	JB		
39	✓	JB					✓	JB		

ALEMBIC MANUFACTURING LTD

INFRASTRUCTURE MONITORING RECORDS

YEAR 2016

	BUNDS		CHEMICAL REACTORS		CHEMICAL STORAGE		FLOORS		ROADWAY	
WEEK NO	COMMENTS	INTL	COMMENTS	INTL	COMMENTS	INTL	COMMENTS	INTL	COMMENTS	INTL
40	✓	JS					✓	JS		
41	✓	JS					✓	JS		
42	✓	J					✓	J		
43	✓	JS					✓	JS		
44	✓	JS					✓	JS		
45	✓	JS					✓	JS		
46	✓	JS					✓	JS		
47	✓	JS					✓	JS		
48	✓	JS					✓	JS		
49	✓	JS					✓	JS		
50	✓	JS					✓	JS		
51	✓	JS					✓	JS		