

NFCL/ENV/APPCB/MR/03/2016

7<sup>th</sup> April 2016

To,

**Member Secretary,  
A.P. Pollution Control Board,  
Paryavarana Bhavan,  
A-3, I.E., Sanath Nagar,  
Hyderabad – 500 018.**

**Subject : Monthly Progress Report**

Dear Sir,

The Monthly Progress Report for the month of March 2016 along with the necessary documents enclosed at Annexure A, Annexure B, Annexure C and Annexure D is being forwarded.

Thanking you,

Your's sincerely  
for NAGARJUNA FERTILIZERS AND CHEMICALS LIMITED

*G V S Anand*

**G V S Anand  
Senior General Manager (Operations)**

Encl.: a/a

Cc: Environmental Engineer,  
A.P. Pollution Control Board,  
2-532, Santhi Nagar,  
Ramanaiah Peta,  
Kakinada.

Cc: Chairman  
MD  
Sr. Advisor  
→ DGM (Lab & Env.) / Manager (Env.)

Nagarjuna Road,  
Kakinada - 533 003.  
India,  
Phone : 2360390  
Fax : 0884 - 2362084/2365020  
**CIN : L24129AP2006PLC076238**

NFCL/ENV/APPCB/MR/03/2016



Nagarjuna Fertilizers  
and Chemicals Limited

7<sup>th</sup> April 2016

To,

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A.P. Pollution Control Board,  
Paryavarana Bhavan,  
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for NAGARJUNA FERTILIZERS AND CHEMICALS LIMITED

A handwritten signature in black ink, appearing to read "G V S Anand".

**G V S Anand  
Senior General Manager (Operations)**

Encl.: a/a

Cc: Environmental Engineer,  
A.P. Pollution Control Board,  
2-532, Santhi Nagar,  
Ramanaiah Peta,  
Kakinada.

Regd. Off : Nagarjuna Hills, HYDERABAD - 500 082, India.

## **1.0 OVERALL REVIEW**

We have received combined Air and Water Consent as well as Hazardous Waste Authorization from APPCB, Hyderabad on 9<sup>th</sup> December 2014 (Consent No. APPCB / VSP / KKD / 10300 / HO / CFO / 2014 – 602) for Plant I, II, CDR and CF Plant. The combined Consent for Operation and Hazardous Waste Authorization is valid up to 31<sup>st</sup> March 2017.

Bio Medical Waste (Management and Handling) Authorization received from APPCB, Regional Office, Kakinada and it is valid up to March 2017. BMW Annual Report (Form-II) for the year 2015 was submitted to Member Secretary, APPCB, Hyderabad on 18<sup>th</sup> January 2016.

We paid the Water Cess bill for the period November 2013 to October 2014 as per the assessment Order No. SAP/KKD/03/CESS/2014-68, dated 08/12/2014 on 2<sup>nd</sup> January 2015.

We submitted Environmental Statement (Form - V) for the year 2013-14 for Plant 1, 2 & CDR Plant on 20<sup>th</sup> August 2014 and for CF Plant on 25<sup>th</sup> September 2014 to Member Secretary, APPCB, Hyderabad. Hazardous Waste Annual Returns in the prescribed format (Form - 4) for the year 2014 - 15 were submitted to Member Secretary, APPCB, Hyderabad on 17<sup>th</sup> June 2015. Six monthly EC compliance report was submitted to MoEF & CC on 30<sup>th</sup> December 2015 and uploaded in NFCL's website on 16<sup>th</sup> January 2016 at [http://www.nagarjunafertilizers.com/ehs\\_eccr.htm](http://www.nagarjunafertilizers.com/ehs_eccr.htm).

Our Automatic Ambient Air Monitoring Station – 1 hook up with APPCB server was established on 28<sup>th</sup> February 2011. As directed by CPCB, the commissioning of Ammonical Nitrogen analyzer (Treated Effluent) and SPM Analyzer (CFG Plant Stack) has been completed. Monitoring data of pH, Flow rate and Ammonical Nitrogen in our treated effluent is being communicated to APPCB on daily basis (by email). SPM monitoring data pertaining to CFG Plant Stack is being uploaded to APPCB and CPCB server.

## **2.0 ENVIRONMENT IMPACT ASSESSMENT REPORT**

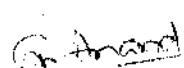
Final Environment Report has been submitted on 29<sup>th</sup> July 1991 vide Letter No.031/0033/NHOT/8220.

Rapid Environment Impact Assessment Study for the Plant-I and Plant-II was carried out from the month of April 1994 to July 1994 and report was submitted to the Board vide letter dated 8<sup>th</sup> August 1994. Rapid Environment Impact Assessment Study for the Conversion of Unit-II operations from Naphtha to Natural Gas, Installation of CDR Plant, De-bottlenecking of Unit-I & II was carried out from the month of December 2006 to March 2007 and report was submitted to the Board on 13<sup>th</sup> August 2007.

Environment Impact and Risk Assessment Report for our Proposed Fertilizer Project - 3 was carried out from the month of December-2010 to February-2011 and EIRA report was submitted to the Environmental Engineer, APPCB, R.O, Kakinada on 28<sup>th</sup> June 2011. Public Hearing was conducted by APPCB for the Environmental Clearance to our proposed Project- 3 on 17<sup>th</sup> August 2011. Environmental Clearance was accorded by MoEF & CC, New Delhi for Project -3 on 18<sup>th</sup> December 2012 and it is valid for 7 years.

## **3.0 METEOROLOGICAL MANAGEMENT**

Wind velocity, wind direction, rainfall, temperature, humidity and barometric pressure are continuously monitored.

  
**G.V.S. ANAND**

Sr. General Manager (Operations)  
Nagarjuna Fertilizers and Chemicals Limited  
Nagarjuna Road  
KAKINADA-533 003 (A.P)

## **4.0 DISASTER MANAGEMENT**

As a part of On-site Emergency Preparedness, Level-II Emergency mock drill was conducted on 29<sup>th</sup> December 2015 at 08.00 pm in Urea-II (Ammonia pumping area), assuming ammonia leak from 5<sup>th</sup> plunger of P101B pump. Dy. Chief Inspector of Factories, Kakinada witnessed the emergency drill.

## **5.0 RECEIPT OF CONSENT ORDER & AUTHORIZATION**

We have received combined Air, Water Consents and Hazardous Waste Authorization from APPCB, Hyderabad on 9<sup>th</sup> December 2014 (Consent No. APPCB / VSP / KKD / 10300 / HO / CFO / 2014 – 602) for Plant I, II, CDR and CF Plant. The above three Consents for Operation are valid up to 31<sup>st</sup> March 2017. Received CFE from APPCB, Hyderabad for our proposed Plant-3 on 10<sup>th</sup> April 2013 and it is valid for 5 years.

## **6.0 CONDITIONS OF APPCB/CPCB**

All conditions were adhered fully at the time of plant commissioning in July 1992. All conditions of both APPCB and MoEF & CC were adhered to by Plant-II fully before starting commercial production on 19<sup>th</sup> March 1998. All systems continue to perform well within the norms. For details of conditions, please refer to our earlier reports. Five Automatic unmanned Ambient Air Monitoring Stations and the Mobile Ambient Air Monitoring Station are in working condition.

| S. No. | Mile Stone/Activity | Current Status |
|--------|---------------------|----------------|
| 1.0    | Latest developments | Nil            |

Water consumption figures (including CF Plant) were submitted to APPCB for Cess for the month of March 2016 vide letter no. NFCL/ENV/APPCB/WC/03/2016, dated 4<sup>th</sup> April 2016.

Please refer enclosed annexure B&C, for details of Gaseous Effluents, Noise Levels & Ambient Air Quality during March 2016.

## **7.0 LIQUID EFFLUENTS**

Effluent Treatment Plant is in continuous operation. Since 24<sup>th</sup> March 2015, Online monitoring of pH and Flow rate in our treated effluent is being communicated to APPCB on a daily basis (by email). As directed by CPCB, the commissioning of Ammonical Nitrogen analyzer (Treated Effluent) has been completed and monitoring data of Ammonical Nitrogen in our treated effluent is being communicated to APPCB on a daily basis (by email) since 29<sup>th</sup> June 2015.

We are furnishing the treated liquid effluent analysis results & quantity during March 2016 in Annexure-A.

## **8.0 SOLID & LIQUID WASTES**

Raw Water turbidity was around 18 NTU (average) and the fertile sludge generated from the raw water pre treatment was used as landfill in Green Belt.

17,095 L of Used Oil was disposed to CPCB Authorized vendor.

4.255 MT of CDR Reclamation Waste was disposed to APPCB Authorized vendor. For details, please refer Form - 13.

## **9.0 AIR POLLUTION**

All measures for air pollution control have been incorporated both for Plant-I, Plant-II & CF Plant and they are functioning satisfactorily. PM<sub>2.5</sub> values in ambient air were 12.2 to 27.7 µg/m<sup>3</sup> during this month in our complex. SPM values in Flue Gas stacks were in the range of 1.2 to 15.9 mg/Nm<sup>3</sup>. Please refer Annexure – B & C for Analysis Reports.

Sr. General Manager (Operations)  
Nagarjuna Fertilizers and Chemicals Limited  
Nagarjuna Road  
KAKINADA-533 003 (A.P.)

## **10.0GREEN BELT**

No. of sapling planted = 3 Nos.  
(As mortality replacements and strengthening of  
Weaker areas)  
No. of saplings planted to date (including mangrove = 4, 00,000 Nos.  
Plant and mass plantation)

*G. Anand*

**G.V.S.ANAND**

Sr.General Manager (Operations)  
Nagarjuna Fertilizers and Chemicals Limited  
Nagarjuna Road  
KAKINADA-533 003 (A.P)

## FLUE GAS ANALYSIS FOR MARCH - 2016

| Date     | PLANT- I   |                           |                           |                              | PLANT- II                 | CFG PLANT                  |
|----------|--|---------------------------|---------------------------|------------------------------|---------------------------|----------------------------|
|          | Reformer stack F-(201 +202) (Against Chimney No. 20) | HRSG A (Chimney No. 4)    | HRSG B (Chimney No. 5)    | Boiler Stack (Chimney No. 3) | HRSG C (Chimney No. 14)   | CFG Stack (Chimney No. 21) |
|          | SPM (mg/Nm <sup>3</sup> )                            | SPM (mg/Nm <sup>3</sup> ) | SPM (mg/Nm <sup>3</sup> ) | SPM (mg/Nm <sup>3</sup> )    | SPM (mg/Nm <sup>3</sup> ) | SPM (mg/Nm <sup>3</sup> )  |
| 02.03.16 | 12.1   | 12.6                      | 9.0                       | 10.1                         | 13.0                      | 1.2                        |
| 09.03.16 | 11.3   | 13.5                      | 8.2                       | 15.9                         | 15.1                      | 5.3                        |
| 16.03.16 | 15.0   | Under S/D                 | 12.3                      | 13.8                         | 9.6                       | 7.0                        |
| 23.03.16 | 10.6   | Under S/D                 | 13.5                      | 9.5                          | 12.2                      | 8.0                        |
| 30.03.16 | 9.8  | Under S/D                 | 14.6                      | 14.3                         | 14.8                      | 12.1                       |

## OUTSIDE AMBIENT AIR MONITORING FOR MARCH – 2016

| Date     | Location                          | SO <sub>2</sub>   | NO <sub>x</sub>   | NH <sub>3</sub>   | PM <sub>10</sub>  | PM <sub>2.5</sub> |
|----------|-----------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
|          |                                   | µg/m <sup>3</sup> |
| 03.03.16 | KVK Training Centre(Gandhi Nagar) | 10.4              | 11.9              | 6.6               | 72.6              | 23.4              |
| 03.03.16 | Guest House (Shanti Nagar)        | 10.2              | 10.6              | 5.8               | 68.2              | 23.2              |
| 10.03.16 | KVK Training Centre(Gandhi Nagar) | 11.5              | 12.2              | 7.2               | 71.5              | 23.8              |
| 10.03.16 | Guest House (Shanti Nagar)        | 9.8               | 10.2              | 6.9               | 71.3              | 28.6              |
| 17.03.16 | KVK Training Centre(Gandhi Nagar) | 11.6              | 11.6              | 6.7               | 76.1              | 24.9              |
| 17.03.16 | Guest House (Shanti Nagar)        | 9.7               | 11.4              | 6.1               | 78.8              | 23.1              |
| 24.03.16 | KVK Training Centre(Gandhi Nagar) | 12.3              | 12.8              | 6.3               | 73.4              | 27.8              |
| 24.03.16 | Guest House (Shanti Nagar)        | 11.2              | 12                | 5.7               | 70.7              | 25.2              |
| 31.03.16 | KVK Training Centre(Gandhi Nagar) | 9.9               | 9.6               | 7.5               | 72.4              | 23.6              |
| 31.03.16 | Guest House (Shanti Nagar)        | 10.3              | 12.2              | 6.4               | 73.3              | 24.7              |
| 03.03.16 | Near Coringa                      | 5.9               | 10.8              | 3.1               | 40.1              | 12                |
| 17.03.16 | Godarigunta                       | 10.5              | 10.6              | 7.2               | 70.9              | 23.8              |
| 24.03.16 | Akshara School                    | 5.8               | 7.4               | 5.5               | 59.               | 19.8              |

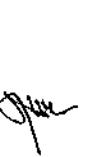
## UREA PRILL TOWER DUST ANALYSIS FOR MARCH – 2016

| Plant                   | Date     | Dust               |       | Plant                     | Date                            | Dust               |       |
|-------------------------|----------|--------------------|-------|---------------------------|---------------------------------|--------------------|-------|
|                         |          | mg/Nm <sup>3</sup> | Kg/MT |                           |                                 | mg/Nm <sup>3</sup> | Kg/MT |
| I<br>(Chimney<br>No. 6) | 01.03.16 | 19.5               | 0.152 | II<br>(Chimney<br>No. 15) | 01.03.16                        | 20.1               | 0.157 |
|                         | 08.03.16 | 18.3               | 0.134 |                           | 08.03.16                        | 24.7               | 0.182 |
|                         | 15.03.16 | 23.6               | 0.248 |                           | 15.03.16                        | 25.3               | 0.266 |
|                         | 22.03.16 | 26.4               | 0.234 |                           | 22.03.16                        | 20.4               | 0.181 |
|                         | 29.03.16 | 25.8               | 0.245 |                           | Sr. 0003 Bal Manages Operations | 26.0               | 0.257 |

Nagarjuna Fertilizers and Chemicals Limited  
Nagarjuna Road  
AKINADA-533 003 (A.P.)

## NOISE LEVELS FOR MARCH – 2016

| Location | Description                                | Sound Level dB(A)      |                          |
|----------|--|------------------------|--------------------------|
|          |  | Day time<br>(limit 75) | Night time<br>(limit 70) |
| 1        | Gate house (North West side)               | 54.5                   | 55.2                     |
| 2        | North East corner (Behind ETP)             | 52.2                   | 48.1                     |
| 3        | South East corner (Security East gate)     | 49.5                   | 52.4                     |
| 4        | Rail gate, boundary wall (South West side) | 51.2                   | 50.6                     |

  
**G.V.S. ANAND**  
 Sr.General Manager (Operations)  
 Nagarjuna Fertilizers and Chemicals Limited  
 Nagarjuna Road  
 KAKINADA-533 003 (A.P)

**AMBIENT AIR MONITORING STATION NO. I**

| Date | SO <sub>2</sub> µg/m <sup>3</sup> |      |      | CO mg/m <sup>3</sup> |     |     | NO <sub>x</sub> µg/m <sup>3</sup> |     |     | NH <sub>3</sub> µg/m <sup>3</sup> |      |      | PM <sub>10</sub> µg/m <sup>3</sup> |      |      |
|------|-----------------------------------|------|------|----------------------|-----|-----|-----------------------------------|-----|-----|-----------------------------------|------|------|------------------------------------|------|------|
|      | Min                               | Max  | Avg  | Min                  | Max | Avg | Min                               | Max | Avg | Min                               | Max  | Avg  | Min                                | Max  | Avg  |
| 1    | 0.0                               | 24.4 | 9.1  | 0.0                  | 0.2 | 0.0 | 0.3                               | 0.6 | 0.4 | 1.5                               | 5.1  | 2.5  | 14.4                               | 39.9 | 24.5 |
| 2    | 0.0                               | 30.8 | 8.3  | 0.0                  | 0.2 | 0.0 | 0.4                               | 0.5 | 0.5 | 1.5                               | 4.2  | 2.3  | 15.2                               | 54.9 | 28.9 |
| 3    | 0.0                               | 31.7 | 6.7  | 0.0                  | 0.1 | 0.0 | 0.3                               | 0.5 | 0.4 | 1.4                               | 3.8  | 2.2  | 12.5                               | 42.8 | 24.3 |
| 4    | 0.0                               | 31.1 | 9.0  | 0.0                  | 0.2 | 0.1 | 0.3                               | 0.5 | 4.0 | 1.7                               | 5.7  | 2.4  | 22.7                               | 51.5 | 31.3 |
| 5    | 0.0                               | 25.9 | 9.2  | 0.0                  | 0.1 | 0.1 | 0.3                               | 0.6 | 0.4 | 1.4                               | 4.0  | 2.1  | 18.9                               | 49.4 | 29.6 |
| 6    | 0.0                               | 26.4 | 6.8  | 0.0                  | 0.2 | 0.0 | 0.3                               | 0.5 | 0.4 | 1.3                               | 2.9  | 2.0  | 23.2                               | 52.6 | 34.6 |
| 7    | 0.0                               | 16.2 | 6.5  | 0.0                  | 0.1 | 0.0 | 0.3                               | 0.5 | 0.4 | 1.4                               | 2.7  | 2.0  | 27.5                               | 46.0 | 37.3 |
| 8    | 0.0                               | 21.0 | 11.2 | 0.0                  | 0.2 | 0.1 | 0.3                               | 0.5 | 0.4 | 1.5                               | 5.1  | 2.1  | 28.7                               | 52.8 | 38.3 |
| 9    | 0.0                               | 18.5 | 6.4  | 0.0                  | 0.1 | 0.0 | 0.4                               | 5.1 | 2.7 | 1.5                               | 3.1  | 2.0  | 29.6                               | 55.8 | 41.7 |
| 10   | 0.0                               | 28.0 | 10.6 | 0.0                  | 0.1 | 0.0 | 3.1                               | 4.0 | 3.6 | 1.4                               | 2.4  | 1.8  | 17.3                               | 65.0 | 36.7 |
| 11   | 0.0                               | 23.3 | 9.6  | 0.0                  | 0.2 | 0.0 | 3.1                               | 4.1 | 3.5 | 1.4                               | 6.9  | 2.1  | 13.8                               | 44.5 | 27.5 |
| 12   | 0.0                               | 20.9 | 9.8  | 0.0                  | 0.1 | 0.1 | 3.0                               | 4.3 | 3.6 | 1.4                               | 3.6  | 1.9  | 12.0                               | 27.9 | 19.7 |
| 13   | 0.0                               | 16.8 | 6.1  | 0.0                  | 0.2 | 0.0 | 3.3                               | 4.8 | 3.7 | 1.7                               | 3.8  | 2.3  | 10.3                               | 39.1 | 22.3 |
| 14   | 0.0                               | 31.8 | 7.6  | 0.0                  | 0.1 | 0.0 | 3.1                               | 4.4 | 3.8 | 1.4                               | 3.7  | 2.1  | 14.0                               | 38.4 | 26.5 |
| 15   | 0.0                               | 16.5 | 5.7  | 0.0                  | 0.2 | 0.0 | 3.1                               | 4.7 | 3.7 | 1.4                               | 7.2  | 2.4  | 19.9                               | 64.9 | 38.1 |
| 16   | 0.0                               | 14.5 | 5.6  | 0.0                  | 0.2 | 0.1 | 3.6                               | 5.0 | 4.3 | 1.5                               | 4.3  | 2.2  | 13.6                               | 79.7 | 39.0 |
| 17   | 0.0                               | 92.4 | 10.3 | 0.0                  | 0.1 | 0.0 | 3.3                               | 5.2 | 4.0 | 1.5                               | 3.0  | 2.1  | 12.3                               | 47.6 | 28.1 |
| 18   | 0.0                               | 18.9 | 7.7  | 0.0                  | 0.1 | 0.0 | 3.1                               | 4.6 | 3.8 | 1.3                               | 3.8  | 1.9  | 9.9                                | 33.3 | 20.1 |
| 19   | 0.0                               | 20.3 | 7.5  | 0.0                  | 0.2 | 0.1 | 2.7                               | 4.5 | 3.4 | 1.3                               | 2.6  | 1.9  | 14.7                               | 41.8 | 26.3 |
| 20   | 0.0                               | 21.5 | 8.3  | 0.0                  | 0.2 | 0.1 | 2.7                               | 3.8 | 3.1 | 1.3                               | 2.4  | 1.8  | 13.6                               | 44.4 | 28.0 |
| 21   | 0.0                               | 22.5 | 6.9  | 0.0                  | 0.2 | 0.1 | 2.6                               | 3.2 | 2.9 | 1.4                               | 2.5  | 1.8  | 30.0                               | 47.8 | 37.1 |
| 22   | 0.0                               | 29.5 | 9.1  | 0.0                  | 0.3 | 0.0 | 2.8                               | 4.2 | 3.3 | 1.4                               | 2.5  | 1.9  | 19.2                               | 57.0 | 33.6 |
| 23   | 0.0                               | 16.3 | 5.6  | 0.0                  | 0.3 | 0.1 | 2.4                               | 3.9 | 3.1 | 1.4                               | 2.1  | 1.7  | 18.2                               | 42.0 | 28.5 |
| 24   | 0.0                               | 14.9 | 7.0  | 0.0                  | 0.3 | 0.1 | 2.7                               | 3.9 | 3.3 | 1.4                               | 2.7  | 1.9  | 15.4                               | 42.9 | 29.8 |
| 25   | 0.0                               | 27.1 | 8.5  | 0.0                  | 0.3 | 0.1 | 0.0                               | 3.7 | 1.5 | 0.0                               | 4.2  | 1.9  | 0.0                                | 69.1 | 21.1 |
| 26   | 0.0                               | 21.0 | 8.8  | 0.1                  | 0.3 | 0.2 | 0.5                               | 0.6 | 0.6 | 1.6                               | 2.1  | 1.8  | 16.9                               | 51.2 | 27.4 |
| 27   | 0.0                               | 19.0 | 6.2  | 0.1                  | 0.4 | 0.2 | 0.5                               | 0.6 | 0.6 | 1.4                               | 2.3  | 1.8  | 24.6                               | 42.3 | 31.3 |
| 28   | 0.0                               | 22.3 | 8.1  | 0.0                  | 0.4 | 0.2 | 0.5                               | 0.9 | 0.5 | 1.4                               | 4.1  | 1.9  | 31.8                               | 55.1 | 42.8 |
| 29   | 0.0                               | 27.5 | 9.3  | 0.1                  | 0.4 | 0.2 | 0.5                               | 0.6 | 0.5 | 1.3                               | 2.2  | 1.7  | 15.3                               | 68.9 | 35.3 |
| 30   | 0.0                               | 21.0 | 9.9  | 0.0                  | 0.3 | 0.1 | 0.3                               | 0.6 | 0.5 | 1.5                               | 25.0 | 9.0  | 14.5                               | 40.0 | 23.5 |
| 31   | 0.0                               | 30.5 | 8.1  | 0.0                  | 0.4 | 0.2 | 0.5                               | 1.0 | 0.5 | 13.0                              | 42.0 | 16.8 | 9.1                                | 44.8 | 33.3 |

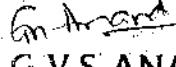
*G.V.S. Anand*

G.V.S. ANAND  
Sr.General Manager (Operations)  
Nagarjuna Fertilizers and Chemicals Limited  
Nagarjuna Road  
KAKINADA-533 003 (A.P)

**AMBIENT AIR MONITORING STATION NO. II**

| Date | SO <sub>2</sub> µg/m <sup>3</sup> |      |      | CO mg/m <sup>3</sup> |     |     | NO <sub>x</sub> µg/m <sup>3</sup> |      |      | NH <sub>3</sub> µg/m <sup>3</sup> |      |      | PM <sub>10</sub> µg/m <sup>3</sup> |      |      |
|------|-----------------------------------|------|------|----------------------|-----|-----|-----------------------------------|------|------|-----------------------------------|------|------|------------------------------------|------|------|
|      | Min                               | Max  | Avg  | Min                  | Max | Avg | Min                               | Max  | Avg  | Min                               | Max  | Avg  | Min                                | Max  | Avg  |
| 1    | 2.9                               | 15.8 | 9.4  | 0.1                  | 0.5 | 0.3 | 1.4                               | 12.8 | 8.4  | 5.5                               | 22.6 | 12.1 | 12.9                               | 69.3 | 40.7 |
| 2    | 1.8                               | 13.1 | 7.1  | 0.0                  | 0.5 | 0.2 | 1.5                               | 14.3 | 6.0  | 3.9                               | 18.8 | 9.8  | 11.5                               | 80.4 | 53.5 |
| 3    | 3.2                               | 21.6 | 8.4  | 0.1                  | 0.4 | 0.3 | 2.9                               | 21.8 | 11.5 | 2.6                               | 23.4 | 10.6 | 21.7                               | 76.5 | 57.9 |
| 4    | 1.5                               | 18.0 | 6.9  | 0.0                  | 0.4 | 0.2 | 2.3                               | 13.7 | 7.0  | 4.2                               | 15.9 | 6.8  | 23.6                               | 79.6 | 60.2 |
| 5    | 1.6                               | 12.1 | 5.7  | 0.2                  | 0.6 | 0.4 | 2.6                               | 16.5 | 8.9  | 1.6                               | 16.3 | 8.1  | 12.6                               | 57.4 | 36.7 |
| 6    | 1.2                               | 15.0 | 6.5  | 0.0                  | 0.5 | 0.1 | 1.4                               | 10.9 | 7.2  | 3.3                               | 22.5 | 10.9 | 18.3                               | 66.8 | 42.1 |
| 7    | 1.4                               | 12.7 | 5.3  | 0.1                  | 0.4 | 0.2 | 1.1                               | 12.0 | 5.7  | 3.8                               | 17.0 | 7.0  | 15.8                               | 62.3 | 36.2 |
| 8    | 0.8                               | 8.9  | 2.6  | 0.0                  | 0.3 | 0.1 | 2.9                               | 16.7 | 9.1  | 2.3                               | 16.8 | 8.8  | 23.1                               | 74.9 | 45.7 |
| 9    | 1.8                               | 12.3 | 6.9  | 0.1                  | 0.5 | 0.2 | 1.8                               | 13.5 | 6.8  | 3.8                               | 20.3 | 9.5  | 21.7                               | 68.6 | 50.3 |
| 10   | 2.6                               | 17.6 | 8.5  | 0.1                  | 0.6 | 0.3 | 1.4                               | 11.2 | 5.2  | 1.3                               | 20.6 | 10.6 | 20.3                               | 73.7 | 53.3 |
| 11   | 3.5                               | 12.8 | 9.4  | 0.1                  | 0.4 | 0.1 | 1.8                               | 16.4 | 7.1  | 2.2                               | 17.6 | 8.3  | 19.5                               | 75.9 | 59.4 |
| 12   | 3.2                               | 21.0 | 10.1 | 0.0                  | 0.3 | 0.1 | 2.5                               | 14.9 | 8.8  | 2.6                               | 22.4 | 7.8  | 22.3                               | 69.5 | 54.8 |
| 13   | 2.1                               | 15.6 | 9.2  | 0.1                  | 0.4 | 0.2 | 3.7                               | 23.5 | 10.5 | 1.3                               | 19.7 | 6.7  | 20.0                               | 79.4 | 50.4 |
| 14   | 1.6                               | 14.7 | 7.4  | 0.1                  | 0.5 | 0.2 | 2.0                               | 14.0 | 7.3  | 2.5                               | 22.3 | 11.6 | 23.2                               | 89.5 | 60.5 |
| 15   | 1.8                               | 16.9 | 8.9  | 0.0                  | 0.2 | 0.1 | 1.5                               | 12.9 | 6.6  | 1.3                               | 16.5 | 8.8  | 10.5                               | 79.1 | 55.5 |
| 16   | 3.3                               | 21.7 | 10.6 | 0.1                  | 0.5 | 0.3 | 3.4                               | 18.5 | 8.9  | 2.4                               | 20.8 | 9.7  | 25.6                               | 84.6 | 70.8 |
| 17   | 2.1                               | 20.3 | 8.7  | 0.0                  | 0.3 | 0.1 | 1.0                               | 16.3 | 7.5  | 1.3                               | 13.7 | 6.2  | 10.3                               | 79.3 | 56.7 |
| 18   | 2.2                               | 14.1 | 6.8  | 0.0                  | 0.2 | 0.2 | 1.5                               | 11.8 | 5.9  | 2.8                               | 20.4 | 7.4  | 10.7                               | 59.4 | 35.2 |
| 19   | 2.9                               | 25.3 | 11.3 | 0.0                  | 0.3 | 0.2 | 0.8                               | 9.6  | 4.1  | 1.3                               | 17.6 | 8.5  | 16.5                               | 71.8 | 51.1 |
| 20   | 1.8                               | 15.6 | 9.2  | 0.1                  | 0.6 | 0.4 | 1.6                               | 12.4 | 6.5  | 1.9                               | 19.8 | 7.8  | 9.4                                | 51.7 | 21.3 |
| 21   | 2.1                               | 21.9 | 9.6  | 0.1                  | 0.4 | 0.2 | 1.0                               | 9.4  | 5.8  | 1.6                               | 13.5 | 9.1  | 12.9                               | 79.8 | 40.5 |
| 22   | 3.0                               | 15.6 | 7.1  | 0.0                  | 0.2 | 0.1 | 1.2                               | 13.0 | 8.3  | 1.9                               | 20.8 | 11.7 | 25.1                               | 81.0 | 63.8 |
| 23   | 1.9                               | 18.8 | 8.8  | 0.1                  | 0.7 | 0.5 | 3.2                               | 15.6 | 10.7 | 1.3                               | 13.5 | 7.5  | 18.9                               | 84.2 | 62.8 |
| 24   | 2.2                               | 22.2 | 6.4  | 0.0                  | 0.3 | 0.2 | 1.6                               | 14.5 | 7.2  | 0.5                               | 8.6  | 2.3  | 16.0                               | 75.1 | 57.1 |
| 25   | 3.5                               | 23.4 | 10.9 | *                    | *   | *   | 2.1                               | 12.7 | 5.9  | 1.6                               | 12.0 | 5.3  | 10.8                               | 71.2 | 37.9 |
| 26   | 1.6                               | 15.5 | 8.1  | *                    | *   | *   | 2.6                               | 15.8 | 10.1 | 1.9                               | 16.4 | 8.6  | 19.5                               | 52.7 | 44.1 |
| 27   | 2.1                               | 20.8 | 9.5  | *                    | *   | *   | 1.7                               | 21.6 | 11.4 | 2.0                               | 13.8 | 6.4  | 22.3                               | 67.9 | 56.7 |
| 28   | 3.8                               | 16.2 | 12.5 | *                    | *   | *   | 2.4                               | 16.9 | 9.3  | 1.8                               | 20.5 | 7.9  | 17.2                               | 71.4 | 42.9 |
| 29   | 2.0                               | 15.9 | 7.2  | 0.0                  | 0.2 | 0.1 | 1.8                               | 23.0 | 8.8  | 3.1                               | 21.0 | 10.2 | 16.3                               | 78.6 | 47.1 |
| 30   | 1.6                               | 12.4 | 5.5  | 0.1                  | 0.4 | 0.3 | 1.4                               | 21.4 | 10.5 | 2.7                               | 17.7 | 8.9  | 11.5                               | 68.1 | 39.2 |
| 31   | 1.5                               | 17.6 | 7.6  | 0.1                  | 0.4 | 0.2 | 2.3                               | 20.6 | 12.8 | 2.4                               | 20.0 | 10.7 | 20.6                               | 75.8 | 53.6 |

\* Under Maintenance

  
**G.V.S. ANAND**

Sr.General Manager {Operations}  
Nagarjuna Fertilizers and Chemicals Limited  
Nagarjuna Road  
KAKINADA-533 003 (A.P)

**AMBIENT AIR MONITORING STATION NO. III**

| Date | SO <sub>2</sub> µg/m <sup>3</sup> |      |      | CO mg/m <sup>3</sup> |     |     | NO <sub>x</sub> µg/m <sup>3</sup> |      |      | NH <sub>3</sub> µg/m <sup>3</sup> |      |      | PM <sub>10</sub> µg/m <sup>3</sup> |      |      |
|------|-----------------------------------|------|------|----------------------|-----|-----|-----------------------------------|------|------|-----------------------------------|------|------|------------------------------------|------|------|
|      | Min                               | Max  | Avg  | Min                  | Max | Avg | Min                               | Max  | Avg  | Min                               | Max  | Avg  | Min                                | Max  | Avg  |
| 1    | 1.5                               | 10.4 | 6.8  | 0.1                  | 0.7 | 0.3 | 1.2                               | 10.4 | 5.9  | 1.8                               | 22.0 | 6.8  | 20.7                               | 83.5 | 48.2 |
| 2    | 1.1                               | 15.8 | 6.2  | 0.2                  | 0.6 | 0.3 | 2.1                               | 14.5 | 7.1  | 2.0                               | 16.2 | 5.3  | 15.4                               | 74.2 | 53.0 |
| 3    | 1.8                               | 14.6 | 7.0  | 0.1                  | 0.5 | 0.3 | 2.4                               | 16.6 | 8.0  | 3.8                               | 20.7 | 8.5  | 16.7                               | 79.4 | 54.7 |
| 4    | 1.1                               | 13.5 | 5.9  | 0.1                  | 0.4 | 0.2 | 1.8                               | 16.9 | 7.1  | 1.1                               | 14.9 | 5.1  | 11.9                               | 80.0 | 32.0 |
| 5    | 1.3                               | 11.0 | 4.8  | 0.0                  | 0.3 | 0.1 | 2.8                               | 15.9 | 6.2  | 2.2                               | 15.1 | 6.4  | 18.2                               | 72.8 | 50.5 |
| 6    | 1.4                               | 12.9 | 6.0  | 0.1                  | 0.5 | 0.3 | 1.0                               | 12.8 | 6.7  | 1.5                               | 20.2 | 5.5  | 27.1                               | 76.2 | 54.3 |
| 7    | 2.0                               | 13.6 | 5.9  | 0.0                  | 0.3 | 0.1 | 1.8                               | 14.1 | 9.9  | 2.1                               | 12.5 | 6.1  | 15.0                               | 80.5 | 31.2 |
| 8    | 1.8                               | 20.1 | 8.3  | 0.0                  | 0.3 | 0.2 | 2.1                               | 16.8 | 7.2  | 1.9                               | 21.9 | 9.9  | 21.5                               | 77.6 | 55.1 |
| 9    | 2.5                               | 16.7 | 10.3 | 0.0                  | 0.3 | 0.1 | 1.5                               | 12.4 | 5.8  | 3.1                               | 18.3 | 8.7  | 25.4                               | 67.5 | 46.3 |
| 10   | 1.7                               | 12.7 | 8.0  | 0.2                  | 0.5 | 0.3 | 1.0                               | 13.1 | 6.2  | 2.2                               | 15.3 | 7.3  | 19.4                               | 70.6 | 50.5 |
| 11   | 2.1                               | 13.4 | 6.1  | 0.0                  | 0.3 | 0.1 | 2.1                               | 15.6 | 9.3  | 1.5                               | 14.3 | 6.9  | 20.1                               | 60.5 | 46.4 |
| 12   | 1.5                               | 11.0 | 4.8  | 0.0                  | 0.3 | 0.2 | 3.2                               | 13.9 | 8.4  | 2.4                               | 24.1 | 6.5  | 21.9                               | 71.9 | 50.2 |
| 13   | 2.2                               | 18.5 | 7.0  | 0.0                  | 0.4 | 0.2 | 2.5                               | 14.6 | 11.5 | 4.2                               | 18.5 | 8.2  | 10.2                               | 72.5 | 33.0 |
| 14   | 1.4                               | 12.7 | 6.3  | 0.1                  | 0.4 | 0.2 | 2.1                               | 11.0 | 9.3  | 2.9                               | 20.2 | 10.4 | *                                  | *    | *    |
| 15   | 1.2                               | 9.1  | 4.4  | 0.1                  | 0.3 | 0.1 | 1.3                               | 10.2 | 5.6  | 1.2                               | 21.6 | 6.3  | *                                  | *    | *    |
| 16   | 1.5                               | 12.8 | 7.8  | 0.0                  | 0.2 | 0.1 | 1.8                               | 12.8 | 4.8  | 2.1                               | 22.9 | 7.5  | *                                  | *    | *    |
| 17   | 2.1                               | 13.4 | 5.5  | 0.1                  | 0.5 | 0.3 | 2.0                               | 11.6 | 6.0  | 1.9                               | 20.1 | 6.6  | *                                  | *    | *    |
| 18   | 2.2                               | 19.9 | 9.5  | 0.1                  | 0.6 | 0.3 | 1.5                               | 14.1 | 6.7  | 2.3                               | 13.8 | 8.8  | 25.9                               | 74.2 | 54.0 |
| 19   | 2.1                               | 15.3 | 7.3  | 0.1                  | 0.5 | 0.2 | 1.1                               | 12.5 | 5.5  | 3.6                               | 22.2 | 10.2 | 19.7                               | 88.6 | 51.0 |
| 20   | 1.2                               | 14.2 | 8.0  | 0.2                  | 0.5 | 0.3 | 3.4                               | 11.0 | 9.3  | 2.9                               | 20.2 | 9.4  | 10.0                               | 50.4 | 29.5 |
| 21   | 1.5                               | 15.8 | 6.9  | 0.1                  | 0.5 | 0.2 | 1.3                               | 10.2 | 5.6  | 3.2                               | 21.6 | 12.3 | 18.4                               | 69.2 | 53.2 |
| 22   | 2.0                               | 23.2 | 9.1  | 0.1                  | 0.4 | 0.3 | 0.8                               | 12.8 | 3.2  | 2.1                               | 22.9 | 6.5  | 21.1                               | 79.5 | 50.1 |
| 23   | 3.2                               | 16.0 | 10.3 | 0.0                  | 0.3 | 0.2 | 1.5                               | 11.6 | 6.0  | 1.9                               | 20.1 | 9.5  | 11.6                               | 76.4 | 32.8 |
| 24   | 1.0                               | 9.6  | 6.5  | 0.1                  | 0.2 | 0.1 | 1.2                               | 17.9 | 8.1  | 1.6                               | 11.3 | 7.9  | 22.1                               | 82.8 | 50.0 |
| 25   | 0.8                               | 5.7  | 1.4  | 0.0                  | 0.3 | 0.2 | 1.2                               | 15.5 | 9.5  | 2.3                               | 22.1 | 8.8  | 11.9                               | 71.9 | 50.2 |
| 26   | 1.5                               | 9.7  | 4.7  | 0.0                  | 0.2 | 0.1 | 1.0                               | 12.8 | 6.7  | 1.3                               | 15.0 | 6.0  | 10.2                               | 64.9 | 33.0 |
| 27   | 1.1                               | 12.8 | 7.5  | 0.1                  | 0.4 | 0.1 | 1.3                               | 17.2 | 5.9  | 2.9                               | 24.8 | 8.4  | 9.4                                | 45.6 | 22.8 |
| 28   | 2.3                               | 17.3 | 8.6  | 0.1                  | 0.5 | 0.2 | 2.5                               | 16.0 | 8.1  | 1.6                               | 11.3 | 9.5  | 19.5                               | 50.2 | 30.2 |
| 29   | 3.5                               | 21.6 | 11.2 | 0.1                  | 0.4 | 0.3 | 3.1                               | 15.5 | 9.5  | 2.3                               | 22.1 | 6.5  | 18.5                               | 68.8 | 44.4 |
| 30   | 1.8                               | 18.0 | 9.5  | 0.1                  | 0.5 | 0.3 | 2.2                               | 12.8 | 6.7  | 1.8                               | 15.0 | 7.3  | 25.4                               | 77.8 | 32.5 |
| 31   | 1.7                               | 15.9 | 7.8  | 0.2                  | 0.4 | 0.3 | 1.8                               | 14.1 | 9.9  | 1.3                               | 9.8  | 7.4  | 12.0                               | 62.7 | 41.0 |

\* Under Maintenance

*G.V.S. ANAND*

Sr. General Manager (Operations)  
Nagarjuna Fertilizers and Chemicals Limited  
Nagarjuna Road  
KAKINADA-533 003 (A.P)

**AMBIENT AIR MONITORING STATION NO. IV**

| Date | SO <sub>2</sub> $\mu\text{g}/\text{m}^3$ |      |      | CO $\text{mg}/\text{m}^3$ |     |     | NO <sub>x</sub> $\mu\text{g}/\text{m}^3$ |      |      | NH <sub>3</sub> $\mu\text{g}/\text{m}^3$ |      |      | PM <sub>10</sub> $\mu\text{g}/\text{m}^3$ |      |      |
|------|--|------|------|---------------------------|-----|-----|--|------|------|--|------|------|---|------|------|
|      | Min                                      | Max  | Avg  | Min                       | Max | Avg | Min                                      | Max  | Avg  | Min                                      | Max  | Avg  | Min                                       | Max  | Avg  |
| 1    | 1.7                                      | 12.7 | 7.8  | 0.0                       | 0.4 | 0.2 | 2.1                                      | 14.1 | 8.8  | 2.6                                      | 28.7 | 11.9 | 11.5                                      | 59.7 | 43.7 |
| 2    | 1.2                                      | 10.3 | 5.9  | 0.0                       | 0.3 | 0.2 | 1.8                                      | 12.3 | 5.4  | 3.3                                      | 22.4 | 13.5 | 19.4                                      | 61.1 | 48.1 |
| 3    | 2.1                                      | 9.5  | 5.1  | 0.0                       | 0.3 | 0.1 | 3.0                                      | 17.5 | 7.8  | 1.2                                      | 20.8 | 8.7  | 16.7                                      | 68.9 | 49.0 |
| 4    | 1.4                                      | 11.6 | 6.7  | 0.0                       | 0.3 | 0.2 | 1.2                                      | 20.7 | 11.3 | 2.7                                      | 22.1 | 13.8 | 21.5                                      | 67.8 | 53.9 |
| 5    | 3.2                                      | 13.9 | 7.4  | 0.0                       | 0.4 | 0.3 | 2.4                                      | 18.3 | 9.3  | 3.1                                      | 16.4 | 7.2  | 11.1                                      | 52.8 | 38.7 |
| 6    | 1.6                                      | 9.1  | 5.3  | 0.0                       | 0.2 | 0.1 | 1.7                                      | 22.8 | 10.6 | 2.0                                      | 20.2 | 11.3 | 22.0                                      | 82.3 | 67.3 |
| 7    | 0.5                                      | 11.8 | 6.9  | 0.0                       | 0.4 | 0.2 | 1.6                                      | 21.2 | 9.2  | 1.4                                      | 18.5 | 10.4 | 15.3                                      | 62.1 | 43.8 |
| 8    | 1.3                                      | 12.6 | 6.5  | 0.0                       | 0.3 | 0.2 | 2.1                                      | 15.6 | 8.0  | 2.3                                      | 18.0 | 9.9  | 11.0                                      | 55.9 | 36.8 |
| 9    | 0.7                                      | 15.3 | 8.9  | 0.0                       | 0.2 | 0.1 | 2.5                                      | 18.1 | 11.0 | 1.1                                      | 12.4 | 5.5  | 20.3                                      | 65.8 | 43.7 |
| 10   | 2.4                                      | 21.5 | 12.1 | 0.0                       | 0.4 | 0.2 | 3.2                                      | 19.9 | 7.7  | 1.8                                      | 21.7 | 7.2  | 16.2                                      | 59.4 | 39.8 |
| 11   | 1.6                                      | 12.9 | 7.3  | 0.0                       | 0.2 | 0.1 | 4.0                                      | 15.4 | 9.9  | 2.1                                      | 13.8 | 9.6  | 10.0                                      | 48.3 | 27.3 |
| 12   | 0.8                                      | 10.1 | 5.0  | 0.0                       | 0.2 | 0.1 | 1.4                                      | 20.8 | 8.1  | 1.9                                      | 18.6 | 8.1  | 18.3                                      | 68.8 | 43.8 |
| 13   | 1.0                                      | 8.0  | 3.2  | 0.0                       | 0.3 | 0.2 | 1.6                                      | 14.2 | 6.0  | 1.3                                      | 12.5 | 6.0  | 20.6                                      | 75.6 | 50.1 |
| 14   | 2.9                                      | 11.9 | 8.5  | 0.0                       | 0.5 | 0.3 | 0.8                                      | 17.6 | 5.8  | 2.6                                      | 15.5 | 10.3 | 17.1                                      | 83.5 | 67.2 |
| 15   | 1.2                                      | 12.8 | 6.9  | 0.0                       | 0.8 | 0.6 | 2.2                                      | 21.3 | 6.9  | 1.2                                      | 20.9 | 9.7  | 21.3                                      | 78.7 | 51.3 |
| 16   | 3.3                                      | 15.4 | 12.1 | 0.0                       | 0.8 | 0.4 | 1.0                                      | 14.9 | 7.4  | 1.3                                      | 19.1 | 8.3  | 18.3                                      | 80.4 | 53.8 |
| 17   | 2.4                                      | 21.1 | 9.4  | 0.0                       | 0.3 | 0.1 | 3.7                                      | 24.6 | 11.3 | 2.7                                      | 26.3 | 13.8 | 12.3                                      | 72.1 | 47.2 |
| 18   | 3.7                                      | 20.3 | 10.5 | 0.0                       | 0.6 | 0.2 | 2.1                                      | 19.7 | 9.7  | 1.8                                      | 28.6 | 10.0 | 17.5                                      | 65.4 | 54.8 |
| 19   | 1.2                                      | 19.7 | 9.0  | 0.0                       | 0.2 | 0.1 | 0.8                                      | 18.8 | 8.9  | 2.2                                      | 25.5 | 9.4  | 20.6                                      | 78.3 | 52.3 |
| 20   | *  | *    | *    | 0.0                       | 0.3 | 0.2 | 1.6                                      | 21.9 | 15.0 | 2.1                                      | 15.8 | 10.2 | 18.3                                      | 80.4 | 64.4 |
| 21   | *  | *    | *    | 0.0                       | 0.2 | 0.1 | 3.7                                      | 30.4 | 18.5 | 1.5                                      | 18.3 | 7.3  | 15.3                                      | 63.8 | 39.8 |
| 22   | *  | *    | *    | 0.0                       | 0.4 | 0.2 | 1.2                                      | 17.9 | 12.2 | 1.7                                      | 15.4 | 6.9  | 10.2                                      | 77.0 | 45.4 |
| 23   | *  | *    | *    | 0.0                       | 0.2 | 0.1 | 1.8                                      | 16.1 | 7.3  | 2.1                                      | 17.9 | 8.5  | 15.4                                      | 73.1 | 53.8 |
| 24   | 2.9                                      | 14.8 | 8.4  | 0.0                       | 0.3 | 0.2 | 1.5                                      | 13.6 | 8.0  | 2.0                                      | 22.1 | 11.9 | 18.9                                      | 79.6 | 48.8 |
| 25   | 1.4                                      | 12.6 | 6.9  | 0.0                       | 0.2 | 0.1 | 1.0                                      | 18.3 | 5.8  | 1.6                                      | 17.8 | 7.3  | 20.3                                      | 66.5 | 43.6 |
| 26   | 1.8                                      | 22.1 | 10.2 | 0.0                       | 0.6 | 0.3 | 0.9                                      | 12.5 | 5.4  | 3.1                                      | 20.6 | 10.7 | 16.0                                      | 82.3 | 68.8 |
| 27   | 1.6                                      | 15.3 | 6.1  | 0.0                       | 0.2 | 0.1 | 1.0                                      | 10.4 | 4.2  | 1.1                                      | 15.9 | 8.5  | 15.6                                      | 78.4 | 52.6 |
| 28   | 1.5                                      | 12.7 | 5.8  | 0.0                       | 0.3 | 0.2 | 1.0                                      | 13.2 | 4.7  | 0.8                                      | 10.1 | 5.7  | 12.0                                      | 69.8 | 46.8 |
| 29   | 1.0                                      | 8.2  | 4.3  | 0.0                       | 0.7 | 0.5 | 1.2                                      | 20.7 | 7.0  | 1.6                                      | 8.2  | 3.8  | 18.3                                      | 73.9 | 49.8 |
| 30   | 1.2                                      | 10.4 | 5.5  | 0.0                       | 0.3 | 0.2 | 1.6                                      | 18.0 | 10.3 | 2.5                                      | 12.3 | 7.9  | 10.4                                      | 78.6 | 52.6 |
| 31   | 1.7                                      | 15.6 | 9.5  | 0.0                       | 0.3 | 0.1 | 1.7                                      | 22.8 | 9.6  | 3.0                                      | 20.5 | 9.3  | 22.3                                      | 72.3 | 48.8 |

\* Under Maintenance

*G.V.S. ANAND*

Sr.General Manager (Operations)  
Nagarjuna Fertilizers and Chemicals Limited  
Nagarjuna Road  
KAKINADA-533 003 (A.P)

**AMBIENT AIR MONITORING STATION NO. V**

| Date | SO <sub>2</sub> µg/m <sup>3</sup> |      |      | CO mg/m <sup>3</sup> |     |     | NO <sub>x</sub> µg/m <sup>3</sup> |      |      | NH <sub>3</sub> µg/m <sup>3</sup> |      |      | PM <sub>10</sub> µg/m <sup>3</sup> |      |      |      |
|------|-----------------------------------|------|------|----------------------|-----|-----|-----------------------------------|------|------|-----------------------------------|------|------|------------------------------------|------|------|------|
|      | Min                               | Max  | Avg  | Min                  | Max | Avg | Min                               | Max  | Avg  | Min                               | Max  | Avg  | Min                                | Max  | Avg  |      |
| 1    | 1.8                               | 15.1 | 9.3  | 0.1                  | 0.4 | 0.3 | 1.9                               | 13.8 | 6.1  | 2.0                               | 14.3 | 6.5  | 15.6                               | 78.2 | 45.3 |      |
| 2    | 1.2                               | 14.6 | 8.2  | 0.2                  | 0.6 | 0.3 | 1.4                               | 15.5 | 7.2  | 2.8                               | 22.6 | 10.4 | 10.9                               | 55.6 | 37.9 |      |
| 3    | 2.3                               | 12.9 | 7.7  | 0.1                  | 0.4 | 0.2 | 1.0                               | 7.3  | 3.9  | 3.2                               | 21.8 | 9.9  | 18.5                               | 69.1 | 32.0 |      |
| 4    | 1.0                               | 15.7 | 6.0  | 0.1                  | 0.5 | 0.3 | 1.8                               | 11.0 | 5.7  | 3.1                               | 24.9 | 11.7 | 20.2                               | 88.3 | 49.5 |      |
| 5    | 1.9                               | 16.2 | 8.5  | 0.1                  | 0.4 | 0.3 | 2.2                               | 15.4 | 7.8  | 2.6                               | 19.2 | 8.6  | 23.8                               | 96.7 | 51.6 |      |
| 6    | 1.6                               | 12.5 | 9.4  | 0.0                  | 0.3 | 0.1 | 2.5                               | 17.2 | 8.3  | 1.9                               | 20.7 | 9.3  | 18.4                               | 82.4 | 47.2 |      |
| 7    | 3.2                               | 14.6 | 9.6  | 0.1                  | 0.5 | 0.2 | 2.7                               | 20.9 | 13.7 | 2.5                               | 24.1 | 10.2 | 19.7                               | 76.2 | 36.4 |      |
| 8    | 2.1                               | 10.9 | 7.2  | 0.1                  | 0.3 | 0.2 | 1.9                               | 15.6 | 9.3  | 2.3                               | 19.4 | 8.0  | 18.0                               | 68.5 | 46.1 |      |
| 9    | 0.6                               | 8.2  | 3.5  | 0.1                  | 0.3 | 0.2 | 3.2                               | 12.4 | 7.4  | 2.8                               | 14.3 | 7.1  | 24.3                               | 66.0 | 37.9 |      |
| 10   | 1.2                               | 14.6 | 10.1 | 0.1                  | 0.6 | 0.3 | 2.1                               | 15.8 | 8.6  | 2.9                               | 19.2 | 9.5  | 13.9                               | 79.7 | 45.3 |      |
| 11   | 2.4                               | 10.9 | 7.2  | 0.1                  | 0.3 | 0.2 | 2.5                               | 24.3 | 12.5 | 2.4                               | 15.7 | 7.9  | 16.6                               | 77.9 | 42.8 |      |
| 12   | 0.6                               | 9.3  | 4.9  | 0.1                  | 0.3 | 0.2 | 2.4                               | 14.5 | 9.7  | 2.2                               | 20.1 | 8.8  | 21.1                               | 90.1 | 50.2 |      |
| 13   | 1.9                               | 13.4 | 6.3  | 0.2                  | 0.7 | 0.4 | 3.0                               | 19.0 | 8.1  | 1.9                               | 17.3 | 10.3 | 13.8                               | 84.2 | 48.7 |      |
| 14   | 1.7                               | 16.8 | 8.8  | 0.1                  | 0.3 | 0.2 | 2.9                               | 21.6 | 10.4 | 1.3                               | 19.9 | 11.4 | 10.3                               | 83.6 | 52.9 |      |
| 15   | 1.8                               | 17.5 | 9.7  | 0.1                  | 0.4 | 0.2 | 1.6                               | 18.0 | 8.3  | 2.2                               | 27.4 | 13.7 | 12.4                               | 60.5 | 46.1 |      |
| 16   | 1.0                               | 16.2 | 7.6  | 0.1                  | 0.5 | 0.3 | *                                 | *    | *    | *                                 | *    | *    | *                                  | 15.2 | 72.8 | 42.6 |
| 17   | 3.3                               | 21.1 | 10.0 | 0.1                  | 0.3 | 0.2 | *                                 | *    | *    | *                                 | *    | *    | *                                  | 10.5 | 61.8 | 43.4 |
| 18   | 2.8                               | 17.6 | 8.9  | 0.1                  | 0.4 | 0.2 | *                                 | *    | *    | *                                 | *    | *    | *                                  | 18.0 | 72.9 | 61.0 |
| 19   | 1.9                               | 20.3 | 9.4  | 0.1                  | 0.6 | 0.2 | *                                 | *    | *    | *                                 | *    | *    | *                                  | 21.6 | 58.5 | 40.7 |
| 20   | 3.1                               | 13.8 | 8.7  | 0.1                  | 0.4 | 0.2 | 3.0                               | 21.3 | 12.5 | 2.1                               | 18.6 | 7.9  | 19.8                               | 77.8 | 59.6 |      |
| 21   | 2.6                               | 15.2 | 10.3 | 0.1                  | 0.3 | 0.2 | 2.8                               | 16.4 | 10.2 | 4.0                               | 21.0 | 11.2 | 18.1                               | 63.1 | 46.8 |      |
| 22   | 1.5                               | 20.7 | 9.4  | 0.2                  | 0.4 | 0.3 | 2.6                               | 15.6 | 8.8  | 3.5                               | 23.1 | 10.0 | 19.2                               | 68.2 | 53.4 |      |
| 23   | 3.5                               | 23.8 | 14.6 | 0.1                  | 0.5 | 0.2 | 2.9                               | 16.9 | 10.6 | 2.8                               | 19.4 | 9.1  | 24.9                               | 75.6 | 43.0 |      |
| 24   | 1.9                               | 16.3 | 11.0 | 0.1                  | 0.3 | 0.2 | 2.0                               | 14.5 | 9.2  | 2.6                               | 20.6 | 8.3  | 17.7                               | 64.3 | 52.2 |      |
| 25   | 2.3                               | 17.1 | 9.1  | 0.2                  | 0.5 | 0.3 | 2.5                               | 22.2 | 10.1 | 2.7                               | 19.0 | 11.6 | 16.2                               | 86.7 | 65.1 |      |
| 26   | 2.0                               | 16.3 | 10.8 | 0.1                  | 0.3 | 0.2 | 3.4                               | 23.7 | 12.4 | 2.2                               | 17.4 | 8.7  | 16.5                               | 78.9 | 53.9 |      |
| 27   | 1.2                               | 21.0 | 9.4  | 0.1                  | 0.4 | 0.2 | 1.7                               | 17.3 | 7.5  | 3.1                               | 18.3 | 12.2 | 16.8                               | 72.5 | 35.7 |      |
| 28   | 1.4                               | 13.9 | 8.2  | 0.1                  | 0.5 | 0.3 | 2.8                               | 14.8 | 9.1  | 2.5                               | 22.1 | 14.1 | 10.4                               | 43.3 | 23.5 |      |
| 29   | 2.1                               | 15.4 | 7.3  | 0.1                  | 0.3 | 0.2 | 2.4                               | 22.0 | 12.3 | 1.4                               | 17.6 | 10.9 | 12.2                               | 60.9 | 44.4 |      |
| 30   | 1.0                               | 11.6 | 8.5  | 0.1                  | 0.3 | 0.2 | 2.2                               | 15.3 | 9.8  | 1.9                               | 18.8 | 12.8 | 15.5                               | 75.4 | 55.0 |      |
| 31   | 2.1                               | 14.5 | 7.6  | 0.1                  | 0.4 | 0.3 | 2.0                               | 21.7 | 10.6 | 2.2                               | 22.5 | 10.7 | 18.3                               | 78.8 | 64.8 |      |

\* Under Maintenance

*G.V.S. Anand*

**G.V.S. ANAND**  
 Sr.General Manager (Operations)  
 Nagarjuna Fertilizers and Chemicals Limited  
 Nagarjuna Road  
 KAKINADA-533 003 (A.P)

**Liquid Effluent Analysis for the Month of March - 2016**

Annexure - A

| Date | pH  | Color     | Temp °C | Total Suspended Solids | Total Dissolved Solids | Free Amm. as N | nitroacil Nitrogen as N | BOD | COD | Oil & Grease | Phosphate as P | Chloride as Cl | TKN as N | Effluent Generation m <sup>3</sup> | Raw water Consumption m <sup>3</sup> |
|------|-----|-----------|---------|------------------------|------------------------|----------------|-------------------------|-----|-----|--------------|----------------|----------------|----------|------------------------------------|--------------------------------------|
| 1    | 7.8 | Colorless | 25.0    |                        | 8.5                    | < 2.0          | 6.5                     |     | 3.5 | 0.9          | 3.84           | 18.0           | 885      | 23756                              |                                      |
| 2    | 7.8 | -do-      | 25.0    |                        | 9.3                    | < 2.0          | 6.0                     |     | 3.0 | 0.6          | 310            | 19.0           | 827      | 23742                              |                                      |
| 3    | 7.7 | -do-      | 24.5    |                        | 7.9                    | < 2.0          | 6.2                     |     | 3.3 | 0.7          | 421            | 16.0           | 2333     | 23723                              |                                      |
| 4    | 7.5 | -do-      | 25.0    |                        | 9.6                    | < 2.0          | 6.5                     |     | 3.1 | 0.6          | 348            | 19.0           | 2407     | 23186                              |                                      |
| 5    | 7.8 | -do-      | 23.5    |                        | 7.2                    | < 2.0          | 6.1                     |     | 3.8 | 0.8          | 369            | 14.0           | 2328     | 23514                              |                                      |
| 6    | 7.5 | -do-      | 21.5    |                        | 6.1                    | < 2.0          | 6.3                     |     | 3.3 | 0.6          | 357            | 12.0           | 2534     | 24000                              |                                      |
| 7    | 7.0 | -do-      | 21.5    | 39                     | 1365                   | 7.5            | < 2.0                   | 6.2 | 10  | 43           | 3.0            | 0.7            | 388      | 16.0                               |                                      |
| 8    | 7.3 | -do-      | 21.5    |                        | 8.4                    | < 2.0          | 6.0                     |     | 3.2 | 0.9          | 396            | 17.0           | 2891     | 23323                              |                                      |
| 9    | 7.8 | -do-      | 23.5    |                        | 9.2                    | < 2.0          | 6.0                     |     | 3.1 | 0.8          | 424            | 18.0           | 2062     | 23085                              |                                      |
| 10   | 7.2 | -do-      | 23.5    |                        | 10.8                   | < 2.0          | 6.1                     |     | 3.6 | 0.6          | 392            | 21.0           | 1021     | 21601                              |                                      |
| 11   | 7.9 | -do-      | 24.0    |                        | 9.4                    | < 2.0          | 6.3                     |     | 3.8 | 0.6          | 418            | 18.0           | 261      | 19047                              |                                      |
| 12   | 7.2 | -do-      | 24.5    |                        | 11.9                   | < 2.0          | 6.0                     |     | 3.3 | 0.7          | 424            | 23.0           | 3379     | 22560                              |                                      |
| 13   | 7.2 | -do-      | 23.5    |                        | 11.9                   | < 2.0          | 6.2                     |     | 3.0 | 0.8          | 463            | 24.0           | 2254     | 22060                              |                                      |
| 14   | 7.8 | -do-      | 25.0    | 40                     | 1463                   | 10.4           | < 2.0                   | 6.1 | 8   | 40           | 2.8            | 0.7            | 448      | 21.0                               |                                      |
| 15   | 7.9 | -do-      | 25.5    |                        | 9.8                    | < 2.0          | 6.1                     |     | 2.8 | 0.8          | 440            | 20.0           | 2613     | 23530                              |                                      |
| 16   | 7.7 | -do-      | 24.5    |                        | 10.4                   | < 2.0          | 6.3                     |     | 2.6 | 0.9          | 396            | 21.0           | 1615     | 21136                              |                                      |
| 17   | 7.1 | -do-      | 24.5    |                        | 10.0                   | < 2.0          | 6.2                     |     | 2.8 | 0.6          | 455            | 20.0           | 1584     | 20471                              |                                      |
| 18   | 7.0 | -do-      | 25.5    |                        | 11.4                   | < 2.0          | 6.4                     |     | 2.9 | 0.6          | 426            | 22.0           | 2825     | 20366                              |                                      |
| 19   | 7.0 | -do-      | 25.5    |                        | 10.6                   | < 2.0          | 6.2                     |     | 2.7 | 0.8          | 362            | 21.0           | 3186     | 19882                              |                                      |
| 20   | 7.3 | -do-      | 25.0    |                        | 10.0                   | < 2.0          | 6.0                     |     | 3.0 | 0.9          | 413            | 20.0           | 1440     | 21365                              |                                      |
| 21   | 7.8 | -do-      | 26.5    | 37                     | 1365                   | 9.3            | < 2.0                   | 6.3 | 9   | 38           | 3.4            | 0.7            | 387      | 18.0                               |                                      |
| 22   | 7.4 | -do-      | 26.5    |                        | 9.2                    | < 2.0          | 6.1                     |     |     | 2.6          | 0.8            | 416            | 18.0     | 2158                               | 22397                                |
| 23   | 7.6 | -do-      | 26.5    |                        | 10.4                   | < 2.0          | 6.0                     |     |     | 2.8          | 0.8            | 364            | 20.0     | 2500                               | 20715                                |
| 24   | 7.5 | -do-      | 26.5    |                        | 9.6                    | < 2.0          | 6.1                     |     |     | 3.4          | 0.9            | 416            | 19.0     | 2269                               | 23466                                |
| 25   | 7.6 | -do-      | 24.5    |                        | 10.9                   | < 2.0          | 6.4                     |     |     | 2.9          | 0.6            | 382            | 21.0     | 2321                               | 23600                                |
| 26   | 7.6 | -do-      | 25.5    |                        | 11.2                   | < 2.0          | 6.2                     |     |     | 2.6          | 0.7            | 364            | 22.0     | 2005                               | 21200                                |
| 27   | 7.0 | -do-      | 25.5    |                        | 10.2                   | < 2.0          | 6.0                     |     |     | 2.5          | 0.7            | 378            | 20.0     | 2283                               | 22935                                |
| 28   | 7.7 | -do-      | 25.0    | 42                     | 1378                   | 10.6           | < 2.0                   | 6.1 | 7   | 41           | 2.8            | 0.8            | 389      | 21.0                               |                                      |
| 29   | 7.7 | -do-      | 26.0    |                        | 11.8                   | < 2.0          | 6.3                     |     |     | 2.7          | 0.9            | 370            | 23.0     | 1190                               | 20423                                |
| 30   | 6.9 | -do-      | 26.0    |                        | 10.2                   | < 2.0          | 6.1                     |     |     | 2.5          | 0.8            | 364            | 20.0     | 1709                               | 23407                                |
| 31   | 6.8 | -do-      | 26.0    |                        | 9.6                    | < 2.0          | 6.0                     |     |     | 2.8          | 0.9            | 372            | 19.0     | 2436                               | 22010                                |

Note (1) All parameters except Temperature, Colour & pH are expressed in mg/liter.

(2) The other parameters included in the CFO (monitored on a monthly basis) for the month of March 16 are:

Total Chromium < 0.01 mg/L

Vanadium - 0.01 mg/L Arsenic - ND, Hexavalent Chromium - < 0.01 mg/L and

Point of collection of samples is Holding Pond and outlet of Holding pond is pumped to Green Belt for irrigation.

**G.V.S. ANAND**

Sr.General Manager (Operations)

Nagarjuna Fertilizers and Chemicals Limited

Nagarjuna Road

KAKINADA-533 003 (A.P)

# **COASTAL WASTE MANAGEMENT PROJECT**

## **HAZARDOUS WASTE MANIFEST**

MANIFEST Document No. 40018

### **Form-13**

|  |  |                              |  |  |                        |               |
|--|--|------------------------------|--|--|------------------------|---------------|
| To be filled by the waste generator    | 1. Occupier's Name & Mailing address (including phone No.)<br>NAGARJUNA FERTILIZERS & CHEMICALS LTD. KAKINADA<br>OR 94 - 2360151   |                              | 2. Occupier's Registration No.<br>APPG/VS/P/KKD/10300/HO/CFD/2014 - 602  |  |                        |               |
|  | 4. Transporter's Name & Address (including phone No.)<br>SRI SIDDHARTH VINAYAKA TRANSPORT KAKINADA   |                              | 3. CWMP Membership No. CWMP/EGD/NFL/08   |  |                        |               |
| To be filled by the waste generator    | 6. Transporter's Registration No.  |                              | 5. Type of Vehicle :<br>Truck / Tanker / Special Vehicle   |  |                        |               |
|  |  |                              | 7. Vehicle Registration No.<br>AP05TT428   |  |                        |               |
| To be filled by the waste generator    | 8. Designated Facility Name & Site Address   |                              | COASTAL WASTE MANAGEMENT PROJECT , Road No. 20/5 E. Bonangi Village, Parawada Mandal, Visakhapatnam, Pin-531 019, A.P. |  |                        |               |
|  | 9. Facility's Registration No.<br>10. Facility's Phone No.   |                              | Ph : 08924-236014  |  |                        |               |
| To be filled by the waste generator    | 11. Waste Description :<br>SLURRY FROM CDR PLANT (CDR Reclamation waste)   |                              |  |  |                        |               |
|  | 12. Total Quantity :<br>4.255 m <sup>3</sup> / MT  |                              | 13. Consistency :<br>Solid / Semi-Solid / Sludge / Oily / Tarry / Slurry ✓   |  |                        |               |
| To be filled by the transporter        | 14. Transport Description of wastes  | 15. Containers               | 16. Total Quantity (m <sup>3</sup> / MT)   | 17. Unit weight / Volume (m <sup>3</sup> / MT) | 18. Waste Category No. |               |
|  | Explosive / Ignitable / Corrosive / Toxic / Odour compounds  | Number                       | Type   | 4.255  | TONS                   | 18-3 of SCH-I |
| To be filled by the transporter        | 19. Special Handling Instructions & Additional Information:<br><br>Handle with PPE like gloves & goggles only.   |                              |  |  |                        |               |
|  | 20. Occupier's Certificate : I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are categorized, packed, marked and labeled and are in all respects in proper condition for transport by road according to applicable national government regulations. |                              |  |  |                        |               |
| for NPC L KAKINADA<br>G-B HASICARA RAO |  | Signature : 8-02-2016        |  |  |                        |               |
| Typed Name & Stamp                     |  | Signature                    |  |  |                        |               |
|  |  | 21 03 2016<br>Month Day Year |  |  |                        |               |
| To be filled by the transporter        | 21. Transporter Acknowledgement of receipt of wastes :   |                              | Name of the Driver : B. Satyanarayana  |  |                        |               |
|  | Coastal Waste Management Project   |                              | Signature : BN 455 57 AV 21 03 2016<br>Month Day Year  |  |                        |               |
| To be filled by Facility owner         | 22. Discrepancy Note   |                              |  |  |                        |               |
|  | 23. Facility Owner or Operator's Certification of Receipts of Hazardous Waste : COASTAL WASTE MANAGEMENT PROJECT, PARAWADA.  |                              |  |  |                        |               |
| Typed Name & Stamp                     |  | Signature                    |  |  |                        |               |
|  |  | Month Day Year               |  |  |                        |               |

Copy 1 (White)  
Copy 2 (Yellow)  
Copy 3 (Pink)

- To be forwarded by the Generator to the SPCB
  - To be retained by Generator after taking sign from Transporter.
  - To be retained by TSDF after Signature.
  - Copy 4 (Orange) - To be returned to the Transporter by the TSDF after accepting Waste.
  - Copy 5 (Green) - To be returned by the TSDF to SPCB after treatment and Disposal of Wastes.
  - Copy 6 (Blue) - To be returned by TSDF to the Generator after treatment and Disposal of Hazardous wastes.

**FORM 13**  
 [ See Rule 21 (1) ]  
**HAZARDOUS WASTE MANIFEST**

|     |  |   |       |     |      |   |   |   |   |   |
|-----|--|---|-------|-----|------|---|---|---|---|---|
| 1.  | Occupier's Name & Mailing Address<br>(Including Phone No.)   | NFCL, Nagarjuna Road, Kakinada<br>533003.<br>0884-2360136   |       |     |      |   |   |   |   |   |
| 2.  | Occupier's Registration No.  | APPCB/VSP/KKD/10300/Ho/CFO/2014-602   |       |     |      |   |   |   |   |   |
| 3.  | Manifest Document No.  |   |       |     |      |   |   |   |   |   |
| 4.  | Transporter's Name & Address<br>(Including Phone No.)  | <b>RELIANCE BARREL SUPPLY CO.</b><br>200/34, B/h. Kashiram Mills,<br>Narol-Ahmedabad-382 405. (Gujarat) |       |     |      |   |   |   |   |   |
| 5.  | Type of Vehicle  | (Truck / Tanker / Special Vehicle)  |       |     |      |   |   |   |   |   |
| 6.  | Transporter's Registration No.   | SELF  |       |     |      |   |   |   |   |   |
| 7.  | Vehicle Registration No.   | HR 55 R 6894  |       |     |      |   |   |   |   |   |
| 8.  | Designated Facility Name & Site Address  | <b>RELIANCE BARREL SUPPLY CO.</b><br>200/34, B/h. Kashiram Mills,<br>Narol-Ahmedabad-382 405. (Gujarat) |       |     |      |   |   |   |   |   |
| 9.  | Facility's Registration No.  | GPCB / HAZ - RF - 65 / 39 / 2014  |       |     |      |   |   |   |   |   |
| 10. | Facility's Phone   | 079-25356629 Mob. : 09824090021   |       |     |      |   |   |   |   |   |
| 11. | Waste Description  | Used OIL  |       |     |      |   |   |   |   |   |
| 12. | Total Quantity   | 17.095 M3 or MT   |       |     |      |   |   |   |   |   |
| 13. | Consistency  | (Solid / Semi-Solid / Sludge / Oily / Tarry / Slurry)   |       |     |      |   |   |   |   |   |
| 14. | Transport Description of Waste   | Used OIL  |       |     |      |   |   |   |   |   |
| 15. | Containers   | 94 Number - 94 Type M.S. Drums  |       |     |      |   |   |   |   |   |
| 16. | Total Quantity   | 17.095 M3 or MT   |       |     |      |   |   |   |   |   |
| 17. | Unit Wt/Vol.   | Volume Weight M3 or MT  |       |     |      |   |   |   |   |   |
| 18. | Waste Category Number  |   |       |     |      |   |   |   |   |   |
| 19. | Special Handling Instructions & Additional Information   | Barrels should always be carried upright.<br>Handle with PPE like gloves & goggles.                     |       |     |      |   |   |   |   |   |
| 20. | OCCUPIER'S CERTIFICATE : I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are categorised, packed, marked and labeled and are in all respects in proper condition for transport by road according to applicable national government regulations. |   |       |     |      |   |   |   |   |   |
|     | Typed Name & Stamp   | Signature :   | Month | Day | Year |   |   |   |   |   |
|     | A. PAPA RAO<br>Sr. MANAGER (MATERIALS)<br>NAGARJUNA FERTILIZERS AND CHEMICALS LTD.   |   | 0     | 3   | 0    | 5 | 2 | 0 | 1 | 6 |
| 21. | Transporter's Name & Address of Receipt of Wastes :  |   |       |     |      |   |   |   |   |   |
|     | KARINADA-533003 (A.P.)<br>RELIANCE BARREL SUPPLY CO.<br>200/34, B/h. Kashiram Mills,<br>Narol-Ahmedabad-382 405. (Gujarat)   | Signature :   | Month | Day | Year |   |   |   |   |   |
|     |  | 0   | 3     | 0   | 5    | 2 | 0 | 1 | 6 |   |
| 22. | Discrepancy Note Space :   |   |       |     |      |   |   |   |   |   |
| 23. | Facility Owner or Operator's Certification of Receipt of Hazardous Waste   |   |       |     |      |   |   |   |   |   |
|     | Typed Name & Stamp   | Signature :   | Month | Day | Year |   |   |   |   |   |
|     | RELIANCE BARREL SUPPLY CO.<br>200/34, B/h. Kashiram Mills,<br>Narol-Ahmedabad-382 405. (Gujarat)   |   |       |     |      |   |   |   |   |   |

White Copy : To be forwarded by the occupier to the SPCB / C