

Incident INCI025429 for Arthurstown Landfill Licence (W0004-04)

Notification No: INCI025429

Submitted: 01/06/2023 12:16

Licensee Details

Organisation:

South Dublin County Council

Licence Name:

Arthurstown Landfill

Reg No:

W0004-04

Site Address:

Arthurstown, Kill, Kildare

Notifier Details

Name:

John Smith

Address:

South Dublin County Council PO Box 4122, Dublin, Ireland

Phone:

045 877674

Email:

arthurstownlandfill@eircom.net

Details

Description of Incident:

EXCEEDANCE OF AMMONIACAL NITROGEN (N) FROM BALANCE TANK (BAL) FROM 12 MAY 2023 840mg/l

Incident Category:

Category 1

Approximate Start of Incident:

17/04/2023 10:21

First Noticed:

20/04/2023 12:16

Still Ongoing:

No

End Date:

18/05/2023 09:17

New or Recurring Incident:

Recurring

Incident Nature:

Other

Impact of Incident on Environment:

none

Uncontrolled Release to Receptors:

Sewer

Details of any Vulnerable Receptors:

none

Likely Cause:

Leachate management

Incident Location

Licensed Discharge Point: No

Location Description: Discharge from leachate Balance Tank on 12 May 2023 from results attached can be see that this started on 19 Jan 2023 at that time the 2 No Aerators were remove from Aeration Tank 2 for repairs and where not re-installed backing into AER 2 till Mon 20 March During this time all leachate from landfill was re-circulated back into the landfill through our re-circulation system Also threatred leachate from Aer2 was pumped to Aeration 1 during down time period and aerated to keep bugs alive When i received aerators back to aer2 i pumped leachate from AER1 back in Aer 2 and got RAS from LEIXLIP Treatment Plant to boast Bugs in Aer2 on 12 May AER 2 WAS DECANT TO LEACHATE BALANCE Tank and discharge to sewer 20m3 at ammoniacal nitrogen 840mg/l but if you look at results from 12 may aer2 ammoniacal nitrogen 91mg/l the AER2 WAS COMING BACK TO NORMAL Now the results are average well below 5 mg/l ammoniacal nitrogen and treatment plant is back to normal ALSO WE HAVE APPLIED FOR TECHNICAL AMENDMENT ON DISCHARGE PARAMETERS TO EPA

Emission Parameter Results

Communication

EPA Informed by Telephone: No

EPA Informed Date:

EPA Informed Staff Member:

EPA Informed Contact Details:

Other Communications:

Additional Details

Activity in Process at time of incident:

REPAIRS TO 2 AERATORS IN AERATION TANK 2

Corrective Actions Taken:

| Action | Name | Date |
|---|------|------------------|
| <p>Discharge from leachate Balance Tank on 12 May 2023 from results attached can be see that this started on 19 Jan 2023 at that time the 2 No Aerators were remove from Aeration Tank 2 for repairs and where not re-installed backing into AER 2 till Mon 20 March During this time all leachate from landfill was re-circulated back into the landfill through our re-circulation system</p> <p>Also threatened leachate from Aer2 was pumped to Aeration 1 during down time period and aerated to keep bugs alive</p> <p>When i received aerators back to aer2 i pumped leachate from AER1 back in Aer 2 and got RAS from LEIXLIP Treatment Plant to boast Bugs in Aer2 on 12 May AER 2 WAS DECANT TO LEACHATE BALANCE Tank and discharge to sewer 20m3 at ammoniacal nitrogen 840mg/l</p> <p>but if you look at results from 12 may aer2 ammoniacal nitrogen 91mg/l the AER2 WAS COMING BACK TO NORMAL</p> <p>Now the results are average well below 5 mg/l ammoniacal nitrogen and treatment plant is back to normal</p> <p>ALSO WE HAVE APPLIED FOR TECHNICAL AMENDMENT ON DISCHARGE PARAMETERS TO EPA</p> | | 15/05/2023 11:24 |

Preventive Actions to be Taken:

| Action | Target Date |
|---|------------------|
| RECIRCULATION OF LEACHATE WHEN REQUIRED | 07/06/2023 00:00 |

Likelihood of Recurrence: Low

Other Revelant Information

ALL RESULTS FOR AMMONIA ARE NOW BACK BELOW 5MG/L