



Rural Landfill Leachate Effluent Test – Chengdu, China

Ammonia Treat (AM) is a multi-strain *Bacillus* product formulated for efficient ammonia removal in wastewater treatment systems. It contains high-CFU ammonia reducing bacteria for wastewater that target ammonia and related nitrogen compounds. AM contains both hyper-ammonia-utilizing and denitrifying bacteria for faster, more reliable biological ammonia removal than conventional wastewater blends.

AM lowers operational cost while helping facilities meet effluent ammonia compliance and permit limits. Beyond reducing ammonia in effluent, AM is also effective for animal waste systems, aquaculture (TAN control), and odor management in waste-handling operations.

- Reduces Ammonia Fast:** lowers ammonia ($\text{NH}_3/\text{NH}_4^+$), nitrite, and nitrate for improved effluent quality
- Supports Nitrogen Removal:** boosts biological denitrification and supports existing nitrification performance
- Lowers BOD, COD & Sludge:** decreases nutrient load, improves treatment capacity, and accelerates organic conversion
- Improves Solids Separation:** supports stable floc formation and settling for clearer effluent
- Controls Odors:** mitigates ammonia, hydrogen sulfide, mercaptans, and other odor-causing compounds
- Performs Across Conditions:** reliable in aerobic and anaerobic environments across wide pH and temperature ranges

Test Result: In 26 hours, ammonia level dropped from 850mg/L to as low as 4mg/L.

Rural Landfill Leachate Effluent Test Result			
	1 st round	2 nd round	3 rd round
Time (hr.)	Ammonia (mg/L)	Ammonia (mg/L)	Ammonia (mg/L)
0	850	850	850
2	566	570	572
4	305	312	318
6	190	206	217
8	100	117	121
10	60	78	82
12	41	54	58
14	20	32	39
16	15	18	21
18	12	14	18
20	9	11	16
22	7	8	13
24	6	7	9
26	4	6	8

