Overall Evaluation

Alcalá de Henares / Municipal WW · Spain · Project: **Nymphe**

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OVERALL ASSESSMENT

Site OK — routine monitoring

Based on the latest sampling date: 9.3.2026 (During Remediation)

PHASE-BY-PHASE VERDICTS

Domain	Before Remediation 8.3.2026 WATER	During Remediation 9.3.2026 WATER	After Remediation —	Trend
Ecotoxicology	D Daphnids	B Lettuce aquatic	·	Improving
Chemistry	— 0 high · 0 risk · 0 ok	— 0 high · 0 risk · 0 ok	·	Stable
Supportive methods provisional				—
Shannon index	3.23	·	·	
Simpson index	0.82	·	·	
Respiration	·	·	·	
Nitrification	Conf	Conf	·	

Each column is one sampling date; a cell shows the worst result recorded across that date's samples. A phase with no samples for the selected method shows as "—". Supportive methods are shown for reference and do not move the overall stance.

SUPPORTIVE METHODS

SAMPLE	TYPE	METHOD (PHASE)	DIVERSITY — SHANNON (H')	DIVERSITY — SIMPSON (1−D)	NITRIFICATION	RESPIRATION	CONFORMITY
Untreated Metfilter Effluent	Water	Before Remediation	**3.23** expected: Low	**0.82** expected: Low	8.4% Within ±20% Conforming		Conforming
Electro-Fenton treatment	Water	During Remediation	— expected: Moderate or gradually increasing	— expected: Low to moderate	11.8% Within ±20% Conforming		Conforming

Biodiversity trend: Not enough phases to compare. Diversity (Shannon / Simpson) is read as a trend across phases (rising = recovery) and compared with the expected level per phase; respiration and nitrification are evaluated against their thresholds.

VISUAL OVERALL ASSESSMENT

Ecotoxicology

	Before Remediation	During Remediation	After Remediation
	8.3.2026 WATER	9.3.2026 WATER	—
A. fischeri 15	A	A	·
A. fischeri 30	A	A	·
Algae	A	A	·
Daphnids	D	A	·
Lettuce aquatic	B	B	·
Worst (per date)	**D**	**B**	·

Result: **Improving across phases**

Chemistry

	Before Remediation	During Remediation	After Remediation
	8.3.2026 WATER	9.3.2026 WATER	—
Others	—	—	·
Worst (per date)	—	—	·

Result: **Stable across phases**

Supportive methods

	Before Remediation	During Remediation	After Remediation
	8.3.2026 WATER	9.3.2026 WATER	—
Shannon index	3.23	·	·
Simpson index	0.82	·	·
Respiration	·	·	·
Nitrification	Conf	Conf	·

Result: **Not enough phases to compare**

CONCLUSION

Based on the most recent data (During Remediation) for Alcalá de Henares – Municipal WW, the site is assessed as: Site OK — routine monitoring. Chemistry: dominant level is Unclassified (0 high-risk, 0 risk, 0

no-risk, 9 unclassified of 9 measurements). Ecotoxicology: dominant category is B (Low toxicity). The most sensitive organism is Lettuce aquatic. Across the recorded phases, chemistry risk is stable across phases and ecotoxicity is improving across phases. Recommendation: the site is within acceptable limits — continue with routine monitoring to confirm the favourable condition remains stable. Biology / supportive methods (provisional): values recorded. These indicators are shown for reference and do not yet affect the overall stance.

Auto-generated draft. Supportive-method values are provisional and do not yet affect the overall stance.