

Overall Evaluation

Ferrara / ER-site · Italy · Project: **Nymphe**

Remediation method: **Rhizodegradation (sunflower + bacteria 1)**

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OVERALL ASSESSMENT

Monitor — consider action

Based on the latest sampling date: 14.4.2026 (After Remediation)

PHASE-BY-PHASE VERDICTS

Domain	Initial Area	During Remediation	After Remediation	Trend
	7.7.2023 SOIL	29.10.2025 SOIL	14.4.2026 SOIL	
Ecotoxicology	D A. fischeri 15	E Daphnids	C Daphnids	Improving
Chemistry	.	.	—	—
Supportive methods provisional				—
Shannon index	.	.	.	
Simpson index	.	.	.	
Respiration	.	Conf	.	
Nitrification	.	.	Non-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.

VISUAL OVERALL ASSESSMENT

Ecotoxicology

	Initial Area	During Remediation	After Remediation
	7.7.2023	29.10.2025	14.4.2026
	SOIL	SOIL	SOIL
A. fischeri 15	D	C	B ₁
A. fischeri 30	D	C	B ₁
A. fischeri kinetic 15	.	C	A ₁
A. fischeri kinetic 30	.	C	B ₁
Algae	C	A ₁	A
Daphnids	D	E	C ₁
Lettuce aquatic	B	.	A ₁
Lettuce terrestric	D	.	.
Lettuce terrestrial	.	A	.
Worst (per date)	D	E	C

Result: Improving across phases

Chemistry

	Initial Area	During Remediation	After Remediation
	7.7.2023	29.10.2025	14.4.2026
	SOIL	SOIL	SOIL
Industrial Chemical	.	.	—
Worst (per date)	.	.	—

Result: Not enough phases to compare

Supportive methods

	Initial Area	During Remediation	After Remediation
	7.7.2023	29.10.2025	14.4.2026
	SOIL	SOIL	SOIL
Shannon index	.	.	.
Simpson index	.	.	.
Respiration	.	Conf	.
Nitrification	.	.	Non-conf

Result: Not enough phases to compare

CONCLUSION

Based on the most recent data (After Remediation) for Ferrara – ER-site, the site is assessed as: Monitor — consider action. Chemistry: dominant level is Unclassified (0 high-risk, 0 risk, 0 no-risk, 5 unclassified of 5 measurements). Ecotoxicology: dominant category is C (Medium toxicity). The most sensitive organism is Daphnids. Across the recorded phases, ecotoxicity is improving across phases. Recommendation: the site is not clear yet — keep it under active monitoring, compare with the following phases, and verify potential contaminant sources. Biology / supportive methods (provisional): nitrification exceeds $\pm 20\%$ — significant effect on the nitrifying community. 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.