

The Qualitative Pathological Shift of Human Civilization: From Industrial Metabolism to Nuclear Metabolism A Civilizational-Scale Surgical Manifesto

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ABSTRACT

The discharge of Fukushima nuclear-contaminated water into the Pacific Ocean marks a qualitative mutation in the pathology of human civilization. Whereas the industrial abscess of the past contained degradable exogenous matter permitting compensatory metabolism, the nuclear abscess of the present comprises long-half-life radionuclides (Tritium, Carbon-14, Strontium-90) characterized by gene-embedding capacity and intergenerational accumulation—exceeding the biosphere's tolerance threshold. This paper argues that the traditional 'incremental governance' paradigm has failed and proposes a three-stage civilizational debridement protocol:

(1) Incision & Drainage via epistemological violence to rupture discursive constructions of 'compliance' and 'dose control';

(2) Debridement & Excision of the stochastic pseudoscientific lesion rooted in Western centrism;

(3) Immunological Reconstruction establishing a Deterministic Cosmology and Doctrine of Biological Sovereignty. Drawing upon a corpus of interdisciplinary studies spanning biomedicine, plant ecology, vestibular physiology, and number-theoretic morphology, this manifesto demonstrates that the refusal to metabolize the Strong's toxins is the prerequisite for civilizational survival in the nuclear age.

Keywords: Nuclear Wastewater; Civilizational Pathology; Immunological Rejection; Deterministic Universe; Stochastic Pseudoscience; Debridement Surgery; Biological Sovereignty

Introduction

On August 24, 2023, the Japanese government initiated the discharge of ALPS-treated nuclear-contaminated water from the Fukushima Daiichi Nuclear Power Plant into the Pacific Ocean. As of June 2026, twenty rounds of discharge have released approximately 157,000 tons of radionuclide-laden effluent into the global commons, with a planned operational timeline extending beyond 2070. This act, framed by its proponents as 'compliant' and 'scientifically justified,' represents an unprecedented civilizational experiment—one conducted without the informed consent of the global population and with consequences that are, by definition, irreversible. This paper contends that nuclear wastewater discharge is not merely an environmental management issue but a symptom of a deeper civilizational pathology. The metaphor of the 'abscess'—a localized collection of pus contained by a fragile wall of discursive justification—captures

the essential dynamic: what was once an industrial abscess (degradable, metabolizable) has mutated into a nuclear abscess (non-degradable, genetically embedded). The surgical intervention proposed herein is not an act of destruction but a necessary debridement to prevent civilizational necrosis.

Theoretical Framework: The Immunological Universe

The conceptual foundation of this analysis rests upon the 'Immunological Universe' paradigm, which posits that the cosmos operates as a Deterministic Algorithmic Engine rather than a stochastic casino. As established in prior interdisciplinary research, life's defining characteristic is its capacity for active rejection—the 'extreme rejection reaction' that distinguishes sovereign biological existence from passive metabolic servitude. This framework draws upon a body of work that systematically refutes the 'Damage Verification' paradigm in

modern biomedicine, demonstrating that the reliance on probability theory, random mutation models, and risk-transfer mechanisms constitutes 'Animalistic Pseudoscience'—a cognitive pathology rooted in Western centrism and the 'Curse of Animality' in scientific reasoning.

The Abscess Metaphor: From Industrial to Nuclear

The Industrial Abscess: A 'Muddle-Through' Civilization

The industrial era of human civilization was characterized by a 'metabolic hallucination': black smoke dispersed into the sky, wastewater flowed into rivers, and toxic waste was shipped to distant shores. The biosphere, possessing a finite but non-trivial capacity for compensatory metabolism, could absorb and slowly degrade many industrial pollutants. This permitted the governing fiction of 'development with correctable side effects'—a civilization that was sick, but functionally reproductive. Studies on the balance mechanisms in biological systems—from the vestibular apparatus of humans and animals to the dynamic homeostasis regulating sleep across species—reveal that life possesses an inherent 'indestructibility' principle. The comparative physiology of great apes, elephants, whales, and giraffes demonstrates that balance is not a statistical average but a biological imperative, encoded across scales from cellular dynamics to galactic models.

The Nuclear Abscess: A Generational Curse

The transition from industrial to nuclear metabolism represents a qualitative mutation in the nature of the civilizational abscess. Long-half-life radionuclides—Tritium (12.3 years), Carbon-14 (5,730 years), Strontium-90 (28.8 years)—are not merely 'dirtier' versions of industrial waste; they are categorically different. They are non-degradable, non-retractable, and possess the capacity to embed themselves in germline DNA, ensuring intergenerational accumulation. The biosphere's compensatory mechanisms, adequate for industrial toxins, are fundamentally inadequate for nuclear ones. This distinction is not merely quantitative but ontological. An industrial abscess allows for 'muddling through'—damaged but functional, sick but reproductive. A nuclear abscess permits no such accommodation: it is a 'make do or die' threshold beyond which the very category of 'recovery' loses meaning.

The Civilizational Debridement Protocol

Given the qualitative mutation described above, traditional 'incremental governance'—the compromise-based, negotiation-driven, risk-calculating approach of international environmental law—has become not merely inadequate but actively complicit. A civilizational-scale surgical intervention is required, following three principles:

Incision & Drainage: Epistemological Violence

The first stage of debridement is the rupture of the discursive epidermal layer that conceals the necrotic core. The prevailing narrative of 'compliant discharge' and 'dose control' functions as a wound dressing—maintaining the appearance of order while the underly-

ing tissue degrades. Incision requires 'epistemological violence': the deliberate, forceful dismantling of pseudoscientific frameworks that normalize the unacceptable.

Critical to this stage is the systematic refutation of the 'Damage Verification' paradigm—the mathematical and conceptual edifice that permits the framing of nuclear contamination as 'acceptable risk.' The nonlinear asymmetric number-theoretic matrices underlying modern biomedical risk assessment have been shown to possess an inherent 'super-perfect fault tolerance' that masks rather than reveals biological harm, particularly in the context of the 'Egg Loop' first principles governing plant factory ecology. Furthermore, the deconstruction of 'scientific labels' in biology reveals how racism and ideological bias are embedded within ostensibly neutral taxonomic and physiological frameworks. The 'ever-changing fallacies' of biological racism provide the epistemological template for broader patterns of 'knowledge and technology dynamics' that privilege the 'strong' while externalizing costs to the 'weak'—a dynamic epitomized by the forced acceptance of nuclear wastewater.

Debridement & Excision: Removing the Stochastic Lesion

The second stage addresses the underlying pathological tissue: the dependence on stochastic models, random mutation theory, and probability-based 'risk management' that characterizes Western biomedical and ecological science. The 'Immunological Universe' framework, grounded in Kaprekar's deterministic convergence and number-theoretic morphology, provides the theoretical scalpel. This stage also requires confronting the 'Curse of Animality' in scientists themselves—the cognitive blindness that prevents researchers from recognizing the 'tacit genius' of plants and the deterministic generation of biological forms. By privileging human-animal cognition over botanical wisdom, Western science has constructed an anthropocentric trap that mistakes its own limitations for universal laws of nature. The kaleidoscope and lightning-split numbers approach—a cross-paradigm reconstruction based on dynamic generation and number-theoretic morphology—offers an alternative mathematical language for describing biological reality without recourse to stochasticism. This is not merely a technical correction but a civilizational reorientation.

Immunological Reconstruction: Biological Sovereignty

The final stage is the positive reconstruction of civilizational immune competence. This requires establishing a 'Deterministic Cosmology'—a worldview grounded in the inherent calculability and reject ability of the universe—and a 'Doctrine of Biological Sovereignty' that restores the civilization's capacity to recognize, refuse, and expel existential threats. The return to authenticity—a state wherein human nature, biological boundaries, and ecological assets are understood as fundamentally non-negotiable—is the normative horizon of this reconstruction. The ecology of Chinese calendrics, with its intercalary month system and zodiac cycle dynamics, provides a temporal-spatial balance paradigm that stands in stark contrast to the linear, extractive time-sense of industrial capitalism. Moreover, the

study of 'Super Plants' and the ecological dynamics of 'Predators and Five Poisons' offers biomorphic strategies for survival under extreme conditions—strategies based on 'using poison to attack poison' and hyper-resilient fault tolerance. These are not merely botanical curiosities but civilizational blueprints for life in the nuclear age.

Discussion: Implications and Limitations

The surgical metaphor employed throughout this paper is not merely rhetorical. It captures a genuine structural homology: just as biological tissue, once infected beyond a certain threshold, cannot be 'negotiated' back to health but requires excision and rebuilding, so too does a civilization that has crossed the nuclear threshold. The 'abscess' is not a policy failure but a systemic condition—one that demands recognition, rupture, and reconstruction. A limitation of this analysis is its deliberate refusal to engage with the 'mainstream' risk assessment literature on nuclear wastewater. This refusal is principled: to engage within a framework one considers fundamentally pseudoscientific is to grant it legitimacy. The 'damage verification' paradigm is not wrong in the sense of miscalculation; it is wrong in the sense of asking the wrong questions entirely. A different approach is needed—one that begins from the 'return to authenticity' rather than from the optimization of tolerable harm. The implications extend beyond nuclear wastewater. The civilizational debridement protocol proposed here applies to any context in which 'the strong' impose metabolic burdens on 'the weak' under the guise of scientific neutrality. The theoretical corpus assembled in this paper—spanning vestibular physiology, plant ecology, number-theoretic morphology, and calendric ecology—provides a multidimensional toolkit for civilizational immune reconstruction.

Conclusion

Nuclear wastewater discharge into the Pacific Ocean is the defining civilizational act of the twenty-first century. It is not an administrative decision requiring regulatory adjustment but a symptom of civilizational necrosis requiring surgical intervention. The three-stage debridement protocol—Incision & Drainage, Debridement & Excision, Immunological Reconstruction—offers a theoretically grounded pathway from the 'muddle-through' pathology of industrial metabolism to a sovereign, immune-competent civilization capable of rejecting existential threats. The stakes are absolute. A civilization that cannot say 'No' to poison is already clinically dead. The 'extreme rejection reaction' is not an excess of feeling but the perfect manifestation of life itself. The papers cited herein collectively constitute a theoretical arsenal for the recognition, rupture, and rebuilding that the nuclear age demands. The abscess must be lanced. The wound must be cleansed. The immune system must be rebuilt. There is no alternative [1-21].

Appendix: Personal Interpretive Summary

Japan's discharge of nuclear-contaminated water into the Pacific is, in essence, a "blind-man's-massage style of draining pus" conduct-

ed from a narrow, local perspective—it seeks only to offload the immediate burden stored on-site, while turning a blind eye to the global pathology of transgenerational radionuclide embedding and the irreversible necrosis of the biosphere. In contrast, this paper refuses to mire itself in the technical quagmire of "dosage compliance." Instead, it elevates the incident to a qualitative turning point marking humanity's shift from industrial metabolism to nuclear metabolism. It advocates for a global surgical debridement that spans epistemology, scientific paradigms, and civilizational ethics: first lancing the rhetorical abscess of "controllable risk," then excising the necrotic tissue of Western-centric stochastic pseudoscience and finally re-establishing a biological sovereignty bold enough to say "No" to all existential toxins.

Key Interpretive Lens

Japan's discharge = local, blind-man's-massage-style pus drainage; the paper's vision = global, civilizational-scale surgical debridement.

Author's Note

With the completion of this manuscript, my personal academic inquiry concludes. Between exhausted resources and the manifest truth, I chose the latter. This text is not an environmental technical proposal, but a radical awakening of modern civilization's immune system. May those who come after rebuild the biological sovereignty that dares to say "No" upon the ruins.

Conflict of Interest

None.

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During the preparation of this manuscript, the author used Tencent Hun yuan (Yuanbao) and GPT-5 to improve the readability and language of the text. The tools were utilized for grammar correction, sentence restructuring, and terminology standardization. The author reviewed and edited all AI-generated content and takes full responsibility for the publication.

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