

PlotSeal™ Verification Record

Record ID: PSR-2026-TX-ECT-001-Z1-R03C04

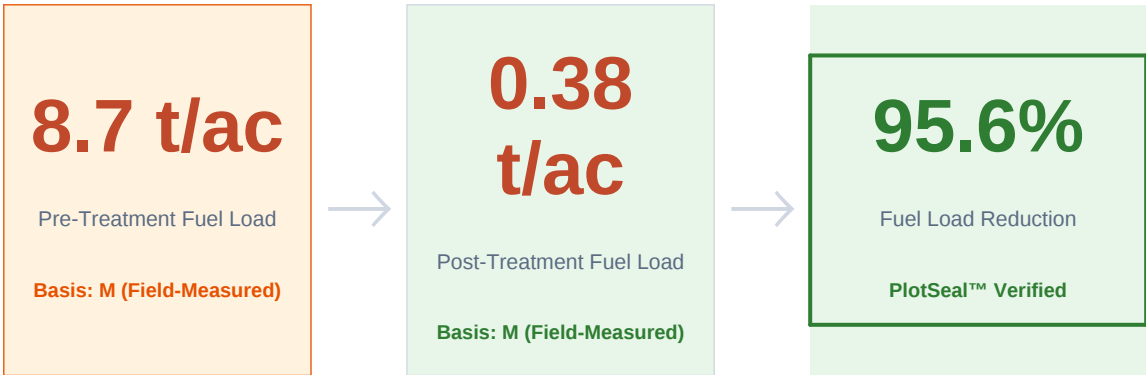
ILLUSTRATIVE SAMPLE — FOR DEMONSTRATION PURPOSES ONLY

SITE	West Texas Solar Array — Site WTX-001	ZONE	Zone 1 — Critical Equipment Buffer
COUNTY / STATE	Ector County, Texas	PLOT ID	Z1-R03-C04
TREATMENT DATE	April 15, 2026	VERIFICATION DATE	April 16, 2026 07:43:12 MDT
PROGRAM	Annual Wildfire Resilience Program — Cycle 1	REPORT REF	HPS-RPT-2026-WTX-001

1. SITE & PLOT LOCATION

Site Name	West Texas Solar Array — Site WTX-001
Site Type	Utility-Scale Photovoltaic Generation
County / State	Ector County, Texas
Site Capacity	185 MWac
Treatment Zone	Zone 1 — Critical Equipment Buffer
Plot Identifier	Z1-R03-C04
Plot Dimensions	30 m × 30 m (900 m² / 0.22 ac)
Latitude (NAD83)	31°50'24" N
Longitude (NAD83)	102°34'12" W
UTM Coordinates	13R 0289540E 3522618N

2. FUEL LOAD — PRE-TREATMENT VS. POST-TREATMENT



Fuel Class	Fine herbaceous / surface fuels (1-hr, 10-hr)
Vegetation Type	Mixed shortgrass / sparse shrub understory
Measurement Protocol	Pre/post photopoint + gravimetric fuel-load sampling (USFS Missoula Fire Sciences Lab protocol)
Basis Code	M — Field-Measured: Fuel load values derived from direct field sampling at this plot location using calibrated gravimetric protocol.

3. TREATMENT DETAILS

Treatment Type	Long-term fire retardant application — ground-applied
Product Classification	Approved PFAS-free, EPA-reviewed long-term fire retardant
Dilution Ratio	1:4 (product:water)
Application Rate	Per manufacturer label — verified field mix
Equipment	Skid-mounted pump system, 150-gal tank, 580 PSI / 14 GPM
Treatment Date	April 15, 2026

4. VERIFICATION & CHAIN OF CUSTODY

Verification Date / Time	April 16, 2026 at 07:43:12 MDT
Field Technician ID	HPS-TECH-002
Certifications	S-190 / S-212 / State-certified fire retardant applicator
Equipment Calibration	Scale calibrated NIST-traceable, April 1, 2026
Applicable Standards	NFPA 1140 §5.4, NFPA 850, NESC C2, IFC §315, NRCS Practice Standard 394
Seal Method	SHA-256 hash of record payload locked at time of field verification. Record is tamper-evident.

✓ PLOTSEAL™ VERIFIED

Seal Hash (SHA-256 truncated)

7A3F - 2B9C - E501 - D44F

This record was sealed on April 16, 2026 at 07:43:12 MDT. The seal hash is derived from the field measurement payload and is tamper-evident. Any modification to the underlying data will invalidate the hash.

5. REGULATORY ALIGNMENT & NOTES

NFPA 1140	Wildfire hazard mitigation — treated defensible space documentation
NFPA 850	Fire protection for electric generating plants and HV DC converter stations
NESC / IEEE C2	Clearance and hazard management for electric supply stations
IFC §315 / NRCS 394	Combustible material management; vegetation management practice standard
NERC FAC-003	Transmission vegetation management — documentation alignment
Program Reference	HPS-RPT-2026-WTX-001 — Annual Wildfire Resilience Program Cycle 1

This record is part of the High Plains Shield Annual Wildfire Resilience Program documentation package. It is intended for use in insurance underwriting, regulatory compliance filings, asset management reviews, and internal wildfire risk documentation. All field measurements were conducted under the HPS Quality Assurance / Quality Control Protocol. The site name and all site-identifying details in this sample are illustrative only.