


# Update: Illegal Dumping Pilot Surveillance Project

Maria Ferdin, Supervisor- Environmental Health

April 22, 2025

A large yellow triangle is positioned in the bottom right corner of the slide, pointing towards the top right.

# Update

---

- Six cameras are installed in public right of way
- Cameras are paired at three “hot spot” locations
- Contract vendor is providing support through a secure online dashboard portal
- One \$2500 citation issued



# Pilot Project Costs

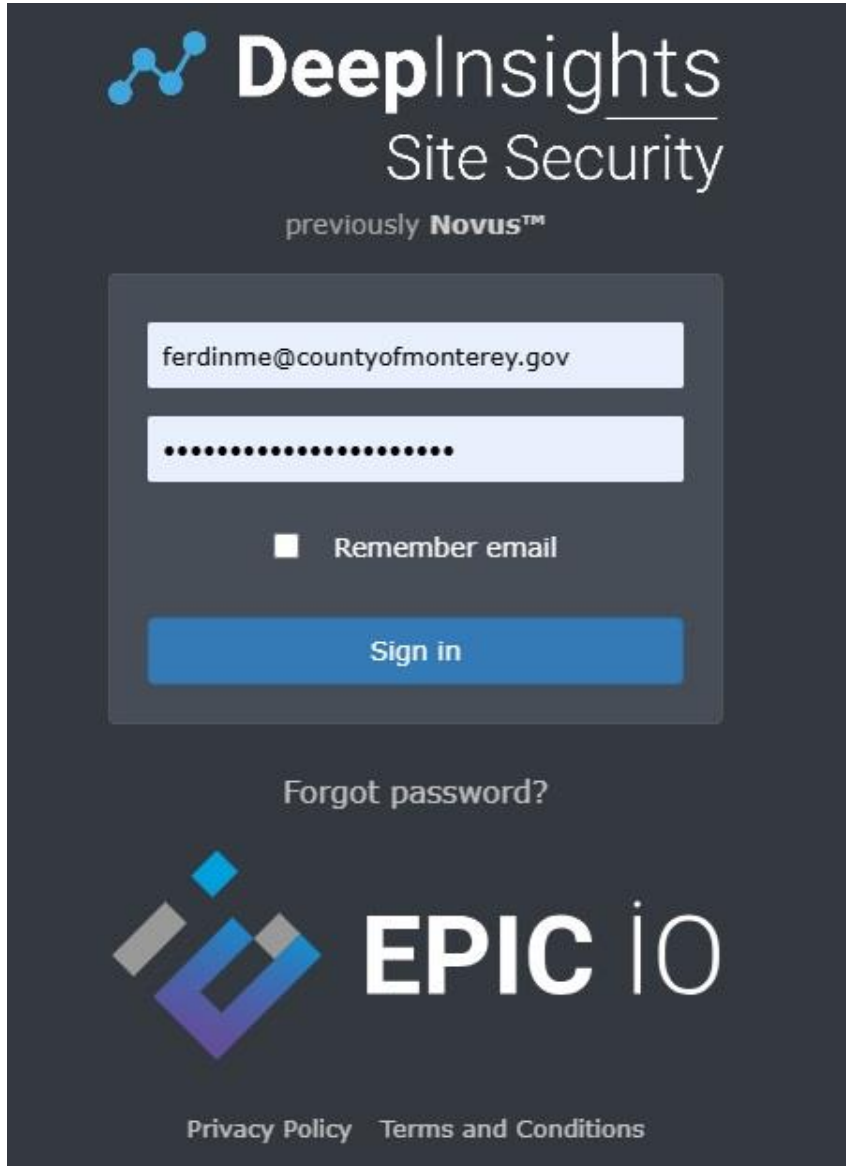
Components	Wha It is	Cost	Source
Hardware	Six Reconyx Cameras, security housing, installation hardware, batteries, etc..	\$12,898.20	EH Admin Budget
Vendor Service /Software	EPIC iO/ DeepInsights	\$6,575 (annual)	Solid Waste Services, EH
Labor	Solid Waste Program staff, PW field staff	Absorbed into routine work	Solid Waste Services, EH; PW





## Installation

- Locations: chronic “hot spot”, cell service, clear view of right of way
- Department Public Works, Facilities, & Parks
- Three road maintenance crew- Aerial Lift (vehicle) operator, support person, road safety person (thanks to Benny Chuca, Hector Mendoza, and Rodd Hiserman)



The image shows a login page for DeepInsights Site Security, which was previously Novus. The page has a dark blue background. At the top left is the DeepInsights logo, consisting of three blue dots connected by lines. To its right is the text "DeepInsights" in white, with "Site Security" below it. Below that, in smaller white text, is "previously Novus™". In the center is a light blue rectangular box containing the login fields. The first field is for the email address, with "ferdinme@countyofmonterey.gov" entered. The second field is for the password, represented by a series of dots. Below the password field is a checkbox labeled "Remember email". At the bottom of the box is a blue button with the text "Sign in". Below the box, the text "Forgot password?" is visible. At the bottom of the page is the EPIC iO logo, which features a stylized 'i' made of blue and purple geometric shapes, followed by the text "EPIC iO" in white. At the very bottom, there are links for "Privacy Policy" and "Terms and Conditions".

**DeepInsights**  
Site Security  
previously **Novus™**


ferdinme@countyofmonterey.gov

.....

☐ Remember email

Sign in

Forgot password?

 **EPIC iO**

[Privacy Policy](#) [Terms and Conditions](#)

# EPIC iO

---

- Reconyx cameras purchased through vendor
- Cameras are cellular enabled
- Secure online dashboard- DeepInsights
- Images play back and archived
- Remote support
- Subscription contract August 1, 2024, to July 31, 2025
- BOS approved July 16, 2024



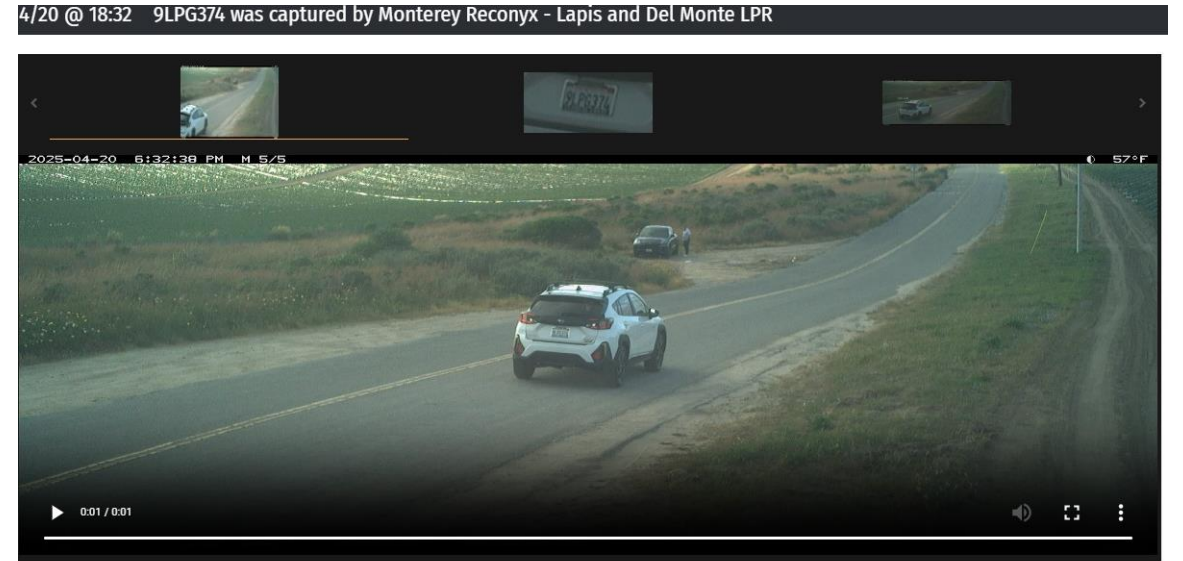
# DeepInsights

- Lapis Rd dashboard
- Third view is LPR (map)
- Cameras are motion activated
- Search by date and/or time
- Tag and store time sequence
- Download images

The screenshot displays the DeepInsights Site Security interface for the 'Monterey County - Lapis Rd' location. The left sidebar contains navigation links for Dashboards, Reports, and Admin. The main content area is divided into three sections:

- Camera Filtered Events (Human/Vehicle):** A list of events with a 'Event filtering is active' status. Each entry includes a video thumbnail, a description ('Vehicle detected on Monterey Reconyx - Lapis 2 and Del Monte - Surv'), a timestamp (e.g., Apr 13, 2025 7:25:58 PM PDT), and a vehicle icon. Each event has a star icon and a trash icon for actions.
- All Events:** A list of all events, including a description ('Motion detected on Monterey Reconyx - Lapis and Del Monte LPR'), a timestamp (e.g., Apr 13, 2025 6:45:11 PM PDT), and a vehicle icon. Each event has a star icon and a trash icon.
- Monterey County - Lapis Rd:** A map view showing the location. It includes an address field with coordinates (Lat: 36.70743437150408, Long: -121.789171877848) and a 'Site Security' button. Below the map, there are fields for Site Type, Site Security, Threats, and Comments.

The bottom left corner of the interface features the EPIC IO logo.



# Lapis Rd. Dashboard

- Main image is a sequence stills, (1-10 images)
- License Plate image for LPR camera (right)
- 1080P HD wide angle w/ 150 IR



# Lapis Rd. Dashboard

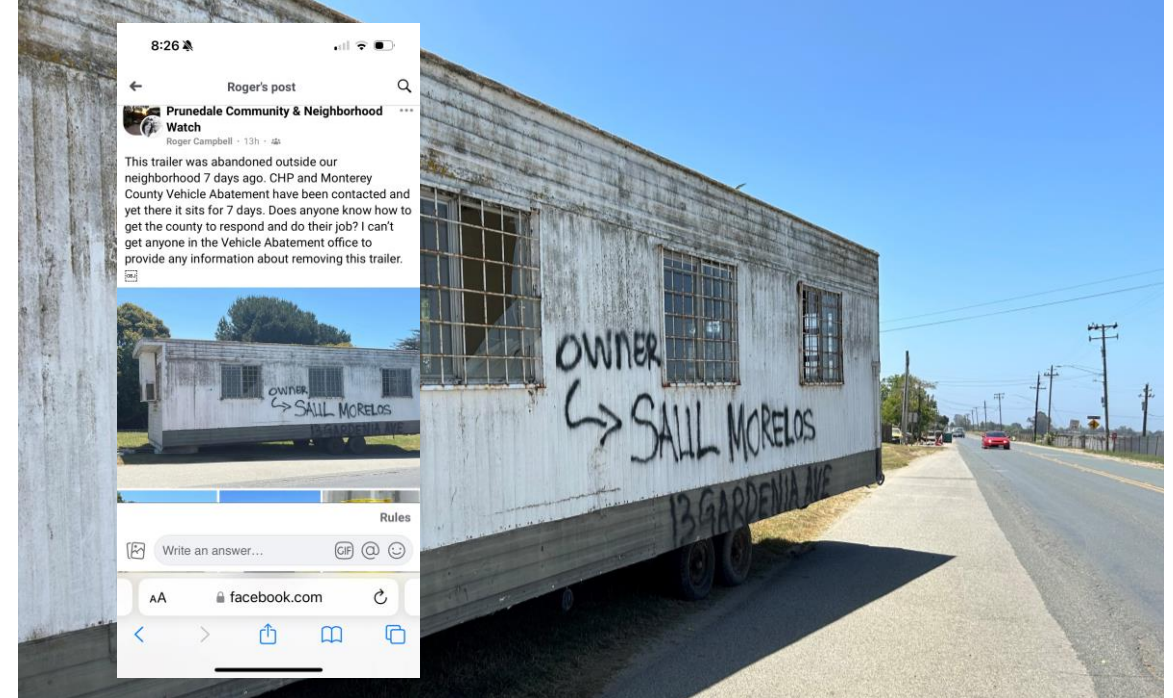
## IR Limitations

- Height of camera
- Speed of vehicle
- Light glare



# Enforcement- Who gets a Citation?

- Abandoned Mobile Home- San Juan Grade
  - ✓ Sheriff notified EH on 5/30/24
  - ✓ EH issued NOV with a 14-day compliance deadline, 5/31/24
  - ✓ RP disposed at Johnson Canyon on 6/11/24
- “Parked” Mobile Home- Bryson Hesperia/ Copperhead Rd
  - ✓ Sheriff notified EH on 8/02/24
  - ✓ Owner attempted relocation to new property
  - ✓ Access road too steep
  - ✓ “Parked” on corner for ~ two months
  - ✓ NOV issued, worked with RP’s timeline
  - ✓ Unit relocated on 10/19/24



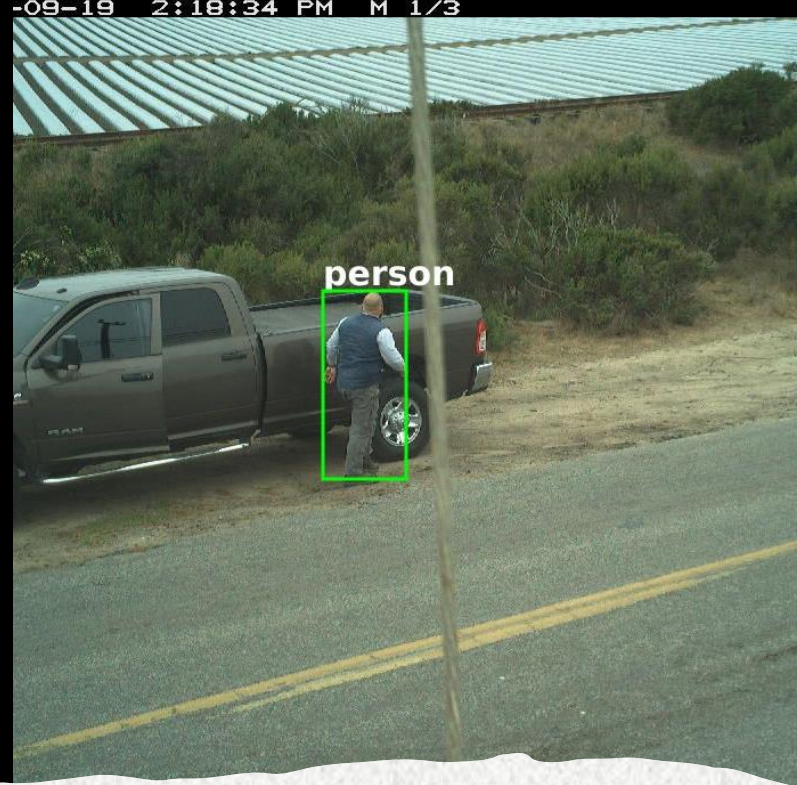




## Enforcement- Who gets a Citation?

- **2018 Hazardous Waste Barrel Case**
  - 70 barrels filled with hazwaste found across two counties- Monterey and San Benito
  - EH investigated & referred to DA
  - RP paid cost recovery- \$29,822.35
  - DA charged one individual criminally



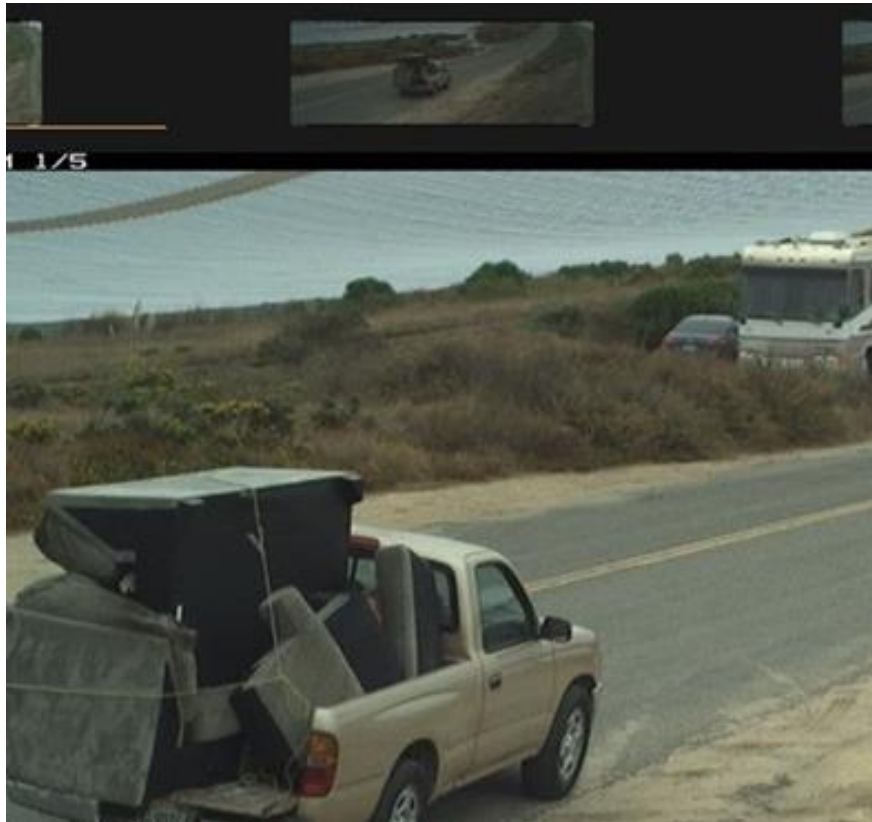


Illegal Dumping Happens  
Quickly-  
September 19, 2:18PM

- 2:18:28- Arrives on scene
- 2:18:34- Gets out of car, disposes box spring
- 2:18:57- Gets in car, leaves

**Total: 34 Seconds**





Enforcement- Who  
gets a Citation?




Illegal Dumper



# Citation

- Owner of Vehicle identified via Sheriff
- Send RP Administrative Citation
  - NOC Letter
  - Administrative Citation w/ compliance deadline
  - Invoice for \$2500
  - Exhibits (photos)


 **COUNTY OF MONTEREY**  
**HEALTH DEPARTMENT**  
Elsa Jimenez  
Administrative Behavior

Address: \_\_\_\_\_  
Date: \_\_\_\_\_  
RE: Illegal Dumping Violation  
Dear \_\_\_\_\_:

This letter is to inform you of an Administrative Citation of \_\_\_\_\_.

*A person shall not throw or place any refuse or waste at, upon, or from a permitted disposal facility.*

The Administrative Citation was issued on \_\_\_\_\_, 8915 or by email at [ferdin@montereycountyhealth.org](mailto:ferdin@montereycountyhealth.org).

Thank you,  
  
Maria Ferdin, Solid Waste Supervisor  
Monterey County Health Department

Cc: Ric Encarnacion, Assistant Supervisor

Enclosed:  
a. Citation- \_\_\_\_\_  
b. Invoice # \_\_\_\_\_  
c. Exhibit A \_\_\_\_\_

**ADMINISTRATIVE CITATION**  
**Monterey County Environmental Health Bureau**

Date of Violation	Time	Complaint #	Facility #	Permit #
I I	<input type="checkbox"/> AM <input type="checkbox"/> PM			

Facility Name & Address: \_\_\_\_\_

Responsible Party: \_\_\_\_\_

Billing Address: **Monterey County Health Department**  
Environmental Health Bureau  
1270 Natividad Road  
Salinas, CA 93906  
(831) 755-4505

☐ -FIRST OFFENSE  
☐ -OTHER, FURTHER VIOLATION

Code Section: \_\_\_\_\_

Pay online at: <https://aca-prod.accela.com/MONTEREYEH>  
\*Payment plans are available by contacting our office.

**INVOICE**

Please make checks payable to: Monterey County.

Return the bottom portion with payment and write invoice number or numbers on check.

If paid late, a Late Penalty shall be assessed, the greater of seventy-five dollars (\$75.00) or twenty-five (25) percent of the total accumulated fees in addition to the prescribed fee, inspection fees, or total accumulated fees. Open balances are subject to Collections. Food facilities that have not paid the permit fee before July 1st are prohibited from operating and will be closed per Cal code Section 114387. If you do not plan to operate your business after July 1st, please notify our office at the contact information listed on this statement.

**FEES ARE NON-REFUNDABLE AND NON-TRANSFERRABLE**

The higher of a 2.25% or \$1.95 will be assessed for online credit card payments.

Record ID	Record Type	Terms	Due Date
CM025-*	Complaint	Due on Receipt - Delinquent After Due Date	MM/DD/YYYY

Invoice #	Invoice Date	Description	Amount Due
1217168	MM/DD/YYYY	DUMPING/LITTER CITATION - 1ST	2,500.00
TOTAL FEES INVOICES:			\$2,500.00
TOTAL DUE:			\$2,500.00

You are hereby notified that if you fail to pay the fines within the time specified, you will be liable for the collection of the fines. Fines must be paid in full. Administrative Fines Payable to: Monterey County Health Department. Right to a Hearing: You have the right to a hearing within 10 business days of the date of this citation. If you do not request a hearing within this time, you will be deemed to have waived your right to a hearing.

Enforcement (831) \_\_\_\_\_  
Phone Number: \_\_\_\_\_

You must schedule a hearing with the Health Department within 10 business days of the date of this citation.

Signature of Responsible Party: \_\_\_\_\_

For more information, contact the Health Department at (831) 755-4505.



# Illegal Dumping Pilot Surveillance Project

---

- What We've Learned
    - Units are easy to install and relocate
    - Installation requires some adjustment for effective image capture
    - Vendor support is excellent
    - Other agency support- Sheriff, ReGen
  - Recommendations/Opportunities
    - Continue pilot program
    - Rotate cameras to other known "hot spots" in the County
    - Signage program
- 

