

# VRNE Application Users Manual



*February 2022*

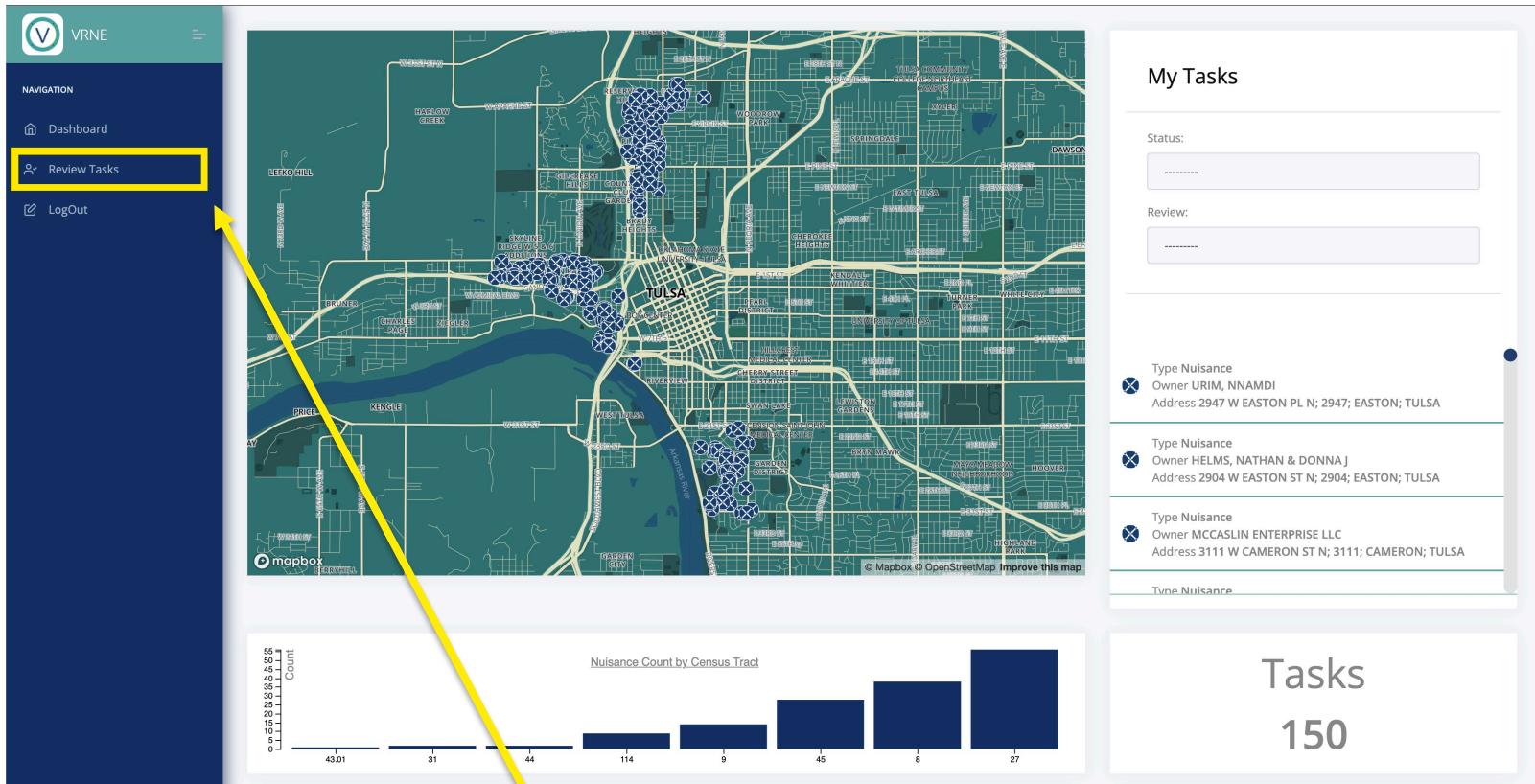


# Part #1

## In The Office

- The first thing you'll want to do is use your tablet to open up the Vrne application. Alternately, this can be done on your own computer at [manage.vrne.co](http://manage.vrne.co).

- The application will open up to the dashboard. This page will give you an overview of the tasks in front of you, and how they're broken up by census tract.



The screenshot shows the VRNE application interface. On the left, a sidebar menu includes 'VRNE' (with a logo), 'NAVIGATION' (with 'Dashboard' selected), 'Review Tasks' (highlighted with a yellow box and arrow), and 'Logout'. The main area features a map of Tulsa with various census tracts highlighted in blue, indicating the locations of nuisance counts. Below the map is a bar chart titled 'Nuisance Count by Census Tract' with the following data:

Census Tract	Count
43.01	43.01
31	31
44	44
114	114
9	9
45	45
8	8
27	27

To the right of the map is a section titled 'My Tasks' containing three entries:

- Type Nuisance  
Owner Urim, NNAMDI  
Address 2947 W EASTON PL N; 2947; EASTON; TULSA
- Type Nuisance  
Owner Helms, Nathan & Donna J  
Address 2904 W EASTON ST N; 2904; EASTON; TULSA
- Type Nuisance  
Owner MCCASLIN ENTERPRISE LLC  
Address 3111 W CAMERON ST N; 3111; CAMERON; TULSA

Below this is a summary box titled 'Tasks' with the number '150'.

- Next, you'll want to click on "Review Tasks" in the left side menu bar. This is the primary page you'll be working in.



- By default, you'll start in the “Assigned” status in the menu bar on the right side.

The screenshot shows the VRNE software interface. On the left is a dark sidebar with a logo, "VRNE", and navigation links: "Dashboard", "Review Tasks", and "Logout". The main area has tabs: "Map" (selected), "Photo", "Vision", "3D", and "Review". The central part is a map of a city area with street names like "WIEGERT ST", "SAND SPRINGS EXPY", and "HICKMAN RD". Numerous blue cross icons mark specific locations. A yellow arrow points from the "Assigned" status in the top right to the "Status" field in the "My Tasks" panel. The "My Tasks" panel lists several complaints under "Type Nuisance":

- Type Nuisance  
Owner Urim, NNAMDI  
Address 2947 W EASTON PL N; 2947; EASTON; TULSA
- Type Nuisance  
Owner HELMS, NATALIA & DONNA J  
Address 2904 W EASTON ST N; 2904; EASTON; TULSA
- Type Nuisance  
Owner MCCASLIN ENTERPRISE LLC  
Address 3111 W CAMERON ST N; 3111; CAMERON; TULSA
- Type Nuisance  
Owner BUZZALINI, NANCY L  
Address 3135 W CAMERON ST N; 3135; CAMERON; TULSA
- Type Nuisance  
Owner ZELLA MUGG LLC  
Address 2506 W EASTON CT N; 2506; EASTON; TULSA
- Type Nuisance  
Owner MURPHY, SAMUEL W AND DORENE  
Address 2539 W EASTON PL N; 2539; EASTON; TULSA
- Type Nuisance

- Below the status bar you'll see a list of each complaint that will need review today. The first one will already be selected, and the associated map will show its location.



- Above the map you'll see five tabs.

- Map
- Photo
- Vision
- 3D
- Review

Map Photo Vision 3D Review

NAVIGATION

Dashboard

Review Tasks

LogOut

mapbox

© Mapbox © OpenStreetMap Improve this map

### My Tasks

Status: Assigned

Review: -----

Type Nuisance	Owner URIM, NNAMDI Address 2947 W EASTON PL N; 2947; EASTON; TULSA
Type Nuisance	Owner HELMS, NATHAN & DONNA J Address 2904 W EASTON ST N; 2904; EASTON; TULSA
Type Nuisance	Owner MCCASLIN ENTERPRISE LLC Address 3111 W CAMERON ST N; 3111; CAMERON; TULSA
Type Nuisance	Owner BUZZALINI, NANCY L Address 3135 W CAMERON ST N; 3135; CAMERON; TULSA
Type Nuisance	Owner ZELLA MUGG LLC Address 2506 W EASTON CT N; 2506; EASTON; TULSA
Type Nuisance	Owner MURPHY, SAMUEL W AND DORENE Address 2539 W EASTON PL N; 2539; EASTON; TULSA
Type Nuisance	-----



## Map

Map shows the current complaint's location, as well as nearby complaints if applicable.

Map Photo Vision 3D Review

NAVIGATION

Dashboard Review Tasks LogOut

The map displays a detailed street layout with several labeled locations: MEDISON ST, WESTON, SAND SPRINGS EXPY, HIGHWAY 64, TULSA RIVER, and SOUTHERN PARK. Numerous blue cross icons are scattered across the map, indicating the locations of complaints. A yellow box highlights the 'Map' tab in the top navigation bar.

© Mapbox © OpenStreetMap Improve this map

### My Tasks

Status: Assigned

Review: -----

Type Nuisance  
Owner Urim, NNAMDI  
Address 2947 W EASTON PL N; 2947; EASTON; TULSA

Type Nuisance  
Owner HELMS, NATHAN & DONNA J  
Address 2904 W EASTON ST N; 2904; EASTON; TULSA

Type Nuisance  
Owner MCCASLIN ENTERPRISE LLC  
Address 3111 W CAMERON ST N; 3111; CAMERON; TULSA

Type Nuisance  
Owner BUZZALINI, NANCY L  
Address 3135 W CAMERON ST N; 3135; CAMERON; TULSA

Type Nuisance  
Owner ZELLA MUGG LLC  
Address 2506 W EASTON CT N; 2506; EASTON; TULSA

Type Nuisance  
Owner MURPHY, SAMUEL W AND DORENE  
Address 2539 W EASTON PL N; 2539; EASTON; TULSA

Type Nuisance



## Photo

Photo shows the most recently taken photo of this location, and should be used as a way to initially assess the complaint validity.

Map Photo Vision 3D Review

My Tasks

Status: Assigned

Review: -----

---

Type Nuisance  
Owner Urim, NNAMDI  
Address 2947 W EASTON PL N; 2947; EASTON; TULSA

---

Type Nuisance  
Owner HELMS, NATHAN & DONNA J  
Address 2904 W EASTON ST N; 2904; EASTON; TULSA

---

Type Nuisance  
Owner MCCASLIN ENTERPRISE LLC  
Address 3111 W CAMERON ST N; 3111; CAMERON; TULSA

---

Type Nuisance  
Owner BUZZALINI, NANCY L  
Address 3135 W CAMERON ST N; 3135; CAMERON; TULSA

---

Type Nuisance  
Owner ZELLA MUGG LLC  
Address 2506 W EASTON CT N; 2506; EASTON; TULSA

---

Type Nuisance  
Owner MURPHY, SAMUEL W AND DORENE  
Address 2539 W EASTON PL N; 2539; EASTON; TULSA

---

Type Nuisance



## Vision

Vision is the same photo, run through our algorithmic processes to pick out possible issues, such as tall grass, chipped paint, and more. This should be used alongside the photo as an assessment tool.

Map Photo Vision 3D Review

The Vision interface displays a photograph of a residential area. A purple bounding box encloses the entire scene. Inside, several objects are identified with colored boxes and confidence scores:

- Vegetation 0.998005 (green box)
- Medium Quality Home 0.824369 (purple box)
- Medium Quality Home 0.956112 (purple box)
- Vegetation 0.982362 (green box)
- Normal Window, Front Window 0.930169 (purple box)
- Normal Window 0.978902 (purple box)
- Car 0.979237 (green box)
- Short Grass 0.924833 (green box)

My Tasks

Status: Assigned

Review: -----

---

Type Nuisance  
Owner Urim, NNAMDI  
Address 2947 W EASTON PL N; 2947; EASTON; TULSA

---

Type Nuisance  
Owner HELMS, NATHAN & DONNA  
Address 2904 W EASTON ST N; 2904; EASTON; TULSA

---

Type Nuisance  
Owner MCCASLIN ENTERPRISE LLC  
Address 2506 W CAMERON ST N; 3111; CAMERON; TULSA

---

Type Nuisance  
Owner BUZZALINI, NANCY L  
Address 3135 W CAMERON ST N; 3135; CAMERON; TULSA

---

Type Nuisance  
Owner ZELLA MUGG LLC  
Address 2506 W EASTON CT N; 2506; EASTON; TULSA

---

Type Nuisance  
Owner MURPHY, SAMUEL W AND DORENE  
Address 2539 W EASTON PL N; 2539; EASTON; TULSA

---

Type Nuisance



## 3D

3D is a 3-dimensional rendering of the 2D photograph that can be used as a further aid if needed in the assessment.

Map Photo Vision **3D** Review

A 3D point cloud rendering showing a severely damaged single-story house with a detached garage. A silver car is parked in front of the house. The rendering is composed of numerous small colored dots, primarily yellow and green, representing the structural framework and surrounding environment. There are two small control icons at the bottom left of the image: a camera icon and a rotation icon.

### My Tasks

Status: Assigned

Review: -----

- Type Nuisance  
Owner URIM, NNAMDI  
Address 2947 W EASTON PL N; 2947; EASTON; TULSA
- Type Nuisance  
Owner HELMS, NATHAN & DONNA J  
Address 2904 W EASTON ST N; 2904; EASTON; TULSA
- Type Nuisance  
Owner MCCASLIN ENTERPRISE LLC  
Address 3115 W CAMERON ST N; 3115; CAMERON; TULSA
- Type Nuisance  
Owner BUZZALINI, NANCY L  
Address 3135 W CAMERON ST N; 3135; CAMERON; TULSA
- Type Nuisance  
Owner ZELLA MUGG LLC  
Address 2506 W EASTON CT N; 2506; EASTON; TULSA
- Type Nuisance  
Owner MURPHY, SAMUEL W AND DORENE  
Address 2539 W EASTON PL N; 2539; EASTON; TULSA
- Type Nuisance



## Review

Once you've made your assessment using the requisite tools, please click the review tab.

Map Photo Vision 3D **Review**

**Nuisance Check**

Is there a violation?  No  Yes

Is the vision prediction correct?  No  Yes

**Initial Review**

Was the photo helpful?  No  Yes

Was the AI Vision helpful?  No  Yes

Were the 3D points helpful?  No  Yes

**Submit**

### My Tasks

Status: Assigned

Review: -----

- Type Nuisance  
Owner URIM, NNAMDI  
Address 2947 W EASTON PL N; 2947; EASTON; TULSA
- Type Nuisance  
Owner HELMS, NATHAN & DONNA J  
Address 2904 W EASTON ST N; 2904; EASTON; TULSA
- Type Nuisance  
Owner MCCASLIN ENTERPRISE LLC  
Address 3111 W CAMERON ST N; 3111; CAMERON; TULSA
- Type Nuisance  
Owner BUZZALINI, NANCY L  
Address 3135 W CAMERON ST N; 3135; CAMERON; TULSA
- Type Nuisance  
Owner ZELLA MUGG LLC  
Address 2506 W EASTON CT N; 2506; EASTON; TULSA
- Type Nuisance  
Owner MURPHY, SAMUEL W AND DORENE  
Address 2539 W EASTON PL N; 2539; EASTON; TULSA



- This will open five questions in two categories

#### Nuisance Check

Is there a violation?       No     Yes

Is the vision prediction  
correct?       No     Yes

#### Initial Review

Was the photo helpful?       No     Yes

Was the AI Vision helpful?       No     Yes

Were the 3D points helpful?     No     Yes

Submit

- These questions will help us understand which parts of our application you found helpful, and which parts were superfluous or could use improvement.
- Once you click submit, the system will automatically go to the next complaint on the list, and the process will repeat.
- After these reviews are made you should go about your day as normal.



# Part #2

## In The Field

- One final step is needed once you've reviewed your first complaint in person.



- In the “Review Tasks” page, click the “Status” dropdown, and change it from “Assigned” to “In Progress”.

A screenshot of the VRNE software interface. On the left is a dark sidebar with a logo, "VRNE", "NAVIGATION", "Dashboard", "Review Tasks" (which is selected and highlighted in grey), and "Logout". Above the main content area is a header with tabs: "Map" (selected), "Photo", "Vision", "3D", and "Review". The main area features a map of a residential neighborhood with street names like "WEDNESDAY ST", "EASTON", "SAND SPRINGS EXPY", and "HIGHWAY 64". Numerous blue crosshair icons are placed on the map, indicating locations of reviewed tasks. To the right of the map is a "My Tasks" panel. At the top of this panel is a "Status:" dropdown menu with three options: "Assigned" (with a checked checkbox), "In Progress" (highlighted in blue with a yellow arrow pointing to it), and "Complete". Below the status dropdown is a list of complaints, each preceded by a blue crosshair icon and labeled "Type Nuisance".

Type	Owner	Address
Type Nuisance	Owner Urim, NNAMDI	Address 2947 W EASTON PL N; 2947; EASTON; TULSA
Type Nuisance	Owner HELMS, NATHAN & DONNA J	Address 2904 W EASTON ST N; 2904; EASTON; TULSA
Type Nuisance	Owner MCCASLIN ENTERPRISE LLC	Address 3111 W CAMERON ST N; 3111; CAMERON; TULSA
Type Nuisance	Owner BUZZALINI, NANCY L	Address 3135 W CAMERON ST N; 3135; CAMERON; TULSA
Type Nuisance	Owner ZELLA MUGG LLC	Address 2506 W EASTON CT N; 2506; EASTON; TULSA
Type Nuisance	Owner MURPHY, SAMUEL W AND DORENE	Address 2539 W EASTON PL N; 2539; EASTON; TULSA
Type Nuisance		

- This will give you a list of all the complaints you've already reviewed today. Select the one you've just seen in person, and click on the “Review” tab above the map.



- This will give you a single yes or no question, as well as a box to add more information should you need to do so.

#### Field Review

Did the app provide enough  No  Yes  
information to make a correct  
decision?

Reason:

Submit

- And you're done! Thank you so much for taking the time to help us refine our system.