

HTML Code for our website : Ecoflow

```
<!DOCTYPE html>
```

```
<html lang="en">
```

```
<head>
```

```
<meta charset="UTF-8">
```

```
<meta name="viewport" content="width=device-width, initial-scale=1.0">
```

```
<title>EcoFlow Tracker - Water Pollution Monitor</title>
```

```
<script src="https://cdn.jsdelivr.net/npm/chart.js"></script>
```

```
<style>
```

```
* {
```

```
margin: 0;
```

```
padding: 0;
```

```
box-sizing: border-box;
```

```
}
```

```
body {
```

```
font-family: -apple-system, BlinkMacSystemFont, 'Segoe UI', Roboto, sans-serif;
```

```
background: linear-gradient(135deg, #0ea5e9 0%, #06b6d4 100%);
```

```
min-height: 100vh;
```

```
color: #1e293b;
```

```
}
```

```
.header {
```

```
background: rgba(255, 255, 255, 0.95);
```

```
backdrop-filter: blur(10px);
```

```
padding: 1rem 2rem;  
  
box-shadow: 0 4px 6px rgba(0, 0, 0, 0.1);  
  
}
```

```
.header-content {  
  
display: flex;  
  
align-items: center;  
  
justify-content: space-between;  
  
max-width: 1200px;  
  
margin: 0 auto;  
  
}
```

```
.logo {  
  
display: flex;  
  
align-items: center;  
  
gap: 0.75rem;  
  
}
```

```
.logo-icon {  
  
width: 40px;  
  
height: 40px;  
  
background: linear-gradient(135deg, #0ea5e9, #06b6d4);  
  
border-radius: 50%;  
  
display: flex;  
  
align-items: center;  
  
justify-content: center;  
  
color: white;
```

```
font-weight: bold;
```

```
}
```

```
.logo-text {
```

```
font-size: 1.5rem;
```

```
font-weight: 700;
```

```
color: #0f172a;
```

```
}
```

```
.search-box {
```

```
position: relative;
```

```
}
```

```
.search-input {
```

```
padding: 0.5rem 1rem 0.5rem 2.5rem;
```

```
border: 2px solid #e2e8f0;
```

```
border-radius: 8px;
```

```
width: 300px;
```

```
font-size: 0.875rem;
```

```
}
```

```
.search-icon {
```

```
position: absolute;
```

```
left: 0.75rem;
```

```
top: 50%;
```

```
transform: translateY(-50%);
```

```
color: #64748b;
```

```
}
```

```
.container{  
  
max-width: 1200px;  
  
margin: 0 auto;  
  
padding: 2rem;  
  
display: grid;  
  
grid-template-columns: 300px 1fr;  
  
gap: 2rem;  
  
}  
  
.sidebar{  
  
display: flex;  
  
flex-direction: column;  
  
gap: 1.5rem;  
  
}  
  
.card {  
  
background: rgba(255, 255, 255, 0.95);  
  
backdrop-filter: blur(10px);  
  
border-radius: 12px;  
  
padding: 1.5rem;  
  
box-shadow: 0 4px 6px rgba(0, 0, 0, 0.1);  
  
}  
  
.card-title {  
  
font-size: 1.125rem;  
  
font-weight: 600;  
  
margin-bottom: 1rem;
```

```
color: #0f172a;
```

```
}
```

```
.stat-item {
```

```
display: flex;
```

```
justify-content: space-between;
```

```
align-items: center;
```

```
padding: 0.5rem 0;
```

```
border-bottom: 1px solid #e2e8f0;
```

```
}
```

```
.stat-item:last-child {
```

```
border-bottom: none;
```

```
}
```

```
.badge {
```

```
padding: 0.25rem 0.75rem;
```

```
border-radius: 9999px;
```

```
font-size: 0.75rem;
```

```
font-weight: 500;
```

```
}
```

```
.badge-critical {
```

```
background: #fecaca;
```

```
color: #dc2626;
```

```
}
```

```
.badge-warning {
```

```
background: #fed7aa;
```

```
color: #ea580c;
```

```
}
```

```
.badge-good {
```

```
background: #bbf7d0;
```

```
color: #16a34a;
```

```
}
```

```
.location-item {
```

```
padding: 1rem;
```

```
border: 1px solid #e2e8f0;
```

```
border-radius: 8px;
```

```
margin-bottom: 0.5rem;
```

```
cursor: pointer;
```

```
transition: all 0.2s;
```

```
}
```

```
.location-item:hover {
```

```
background: #f8faff;
```

```
border-color: #0ea5e9;
```

```
}
```

```
.location-item.active {
```

```
background: #fff6ff;
```

```
border-color: #0ea5e9;
```

```
}
```

```
.main-content {
```

```
display: flex;
```

```
flex-direction: column;

gap: 2rem;

}

.alerts {

display: flex;

flex-direction: column;

gap: 1rem;

}

.alert {

padding: 1rem;

border-radius: 8px;

border-left: 4px solid #0ea5e9;

background: rgba(255, 255, 255, 0.95);

backdrop-filter: blur(10px);

}

.alert-critical {

border-left-color: #dc2626;

background: #fef2f2;

}

.alert-warning {

border-left-color: #ea580c;

background: #fff7ed;

}

.metrics-grid {
```

```
display: grid;

grid-template-columns: repeat(auto-fit, minmax(200px, 1fr));

gap: 1rem;

}

.metric-card {

background: rgba(255, 255, 255, 0.95);

backdrop-filter: blur(10px);

border-radius: 12px;

padding: 1.5rem;

text-align: center;

box-shadow: 0 4px 6px rgba(0, 0, 0, 0.1);

}

.metric-value {

font-size: 2rem;

font-weight: 700;

color: #0ea5e9;

margin: 0.5rem 0;

}

.metric-label {

font-size: 0.875rem;

color: #64748b;

text-transform: uppercase;

letter-spacing: 0.05em;

}
```



```
.chart-container {  
  
background: rgba(255, 255, 255, 0.95);  
  
backdrop-filter: blur(10px);  
  
border-radius: 12px;  
  
padding: 2rem;  
  
box-shadow: 0 4px 6px rgba(0, 0, 0, 0.1);  
  
}
```

```
@media (max-width: 768px) {  
  
.container {  
  
grid-template-columns: 1fr;  
  
padding: 1rem;  
  
}
```

```
.header-content {  
  
flex-direction: column;  
  
gap: 1rem;  
  
}
```

```
.search-input {  
  
width: 100%;  
  
}  
  
}
```

```
</style>
```

```
</head>
```


```
<body>
```

```
<!-- Header -->
```

```
<header class="header">

<div class="header-content">


<div class="logo">

<div class="logo-icon">  </div>

<span class="logo-text">EcoFlow Tracker</span>

</div>

<div class="search-box">

<span class="search-icon">  </span>

<input type="text" class="search-input" placeholder="Search monitoring locations...">

</div>

</div>

</header>

<div class="container">

<!-- Sidebar -->

<div class="sidebar">

<!-- System Overview -->

<div class="card">

<h3 class="card-title">System Overview</h3>

<div class="stat-item">

<span>Active Sensors</span>

<span class="badge badge-good">24</span>

</div>

<div class="stat-item">

<span>Critical Alerts</span>
```

3

</div>

<div class="stat-item">

Data Points Today

1,247

</div>

</div>

<!-- Monitoring Locations -->

<div class="card">

<h3 class="card-title">Monitoring Locations</h3>

<div class="location-item active" onclick="selectLocation(0)">

<div style="display: flex; justify-content: space-between; align-items: center;">

River Delta Station

Critical

</div>

<div style="font-size: 0.75rem; color: #64748b; margin-top: 0.5rem;">

pH: 5.7 | O₂: 4.2mg/L

</div>

</div>

<div class="location-item" onclick="selectLocation(1)">

<div style="display: flex; justify-content: space-between; align-items: center;">

Industrial Zone Monitor

Warning

</div>

<div style="font-size: 0.75rem; color: #64748b; margin-top: 0.5rem;">

pH: 6.1 | O₂: 5.8mg/L

</div>

</div>

<div class="location-item" onclick="selectLocation(2)">

<div style="display: flex; justify-content: space-between; align-items: center;">

Residential Area Sensor

Good

</div>

<div style="font-size: 0.75rem; color: #64748b; margin-top: 0.5rem;">

pH: 7.1 | O₂: 8.1mg/L

</div>

</div>

</div>

</div>

<!-- Main Content -->

<div class="main-content">

<!-- Alerts -->

<div class="alerts">

<h2 style="color: #0f172a; margin-bottom: 1rem;">Recent Alerts</h2>

<div class="alert alert-critical">

 ⚠ Critical Alert

<p>pH levels critically low at River Delta Station</p>

<small style="color: #64748b;">2 hours ago</small>

</div>

<div class="alert alert-warning">

 ⚠ Warning

<p>Oxygen depletion detected in Industrial Zone</p>

<small style="color: #64748b;">4 hours ago</small>

</div>

</div>

<!-- Current Metrics -->

<div class="metrics-grid">

<div class="metric-card">

<div class="metric-label">pH Level</div>

<div class="metric-value" id="ph-value">5.7</div>

</div>

<div class="metric-card">

<div class="metric-label">Oxygen</div>

<div class="metric-value" id="oxygen-value">4.2</div>

<div style="font-size: 0.75rem; color: #64748b;">mg/L</div>

</div>

<div class="metric-card">

<div class="metric-label">Temperature</div>

<div class="metric-value" id="temp-value">24.8</div>

<div style="font-size: 0.75rem; color: #64748b;">°C</div>

</div>

<div class="metric-card">

```
<div class="metric-label">Turbidity</div>
```

```
<div class="metric-value" id="turbidity-value">45</div>
```

```
<div style="font-size: 0.75rem; color: #64748b;">NTU</div>
```

```
</div>
```

```
</div>
```

```
<!-- Chart -->
```

```
<div class="chart-container">
```

```
<h3 style="margin-bottom: 1rem; color: #0f172a;">Water Quality Trends</h3>
```

```
<canvas id="pollutionChart" width="400" height="200"></canvas>
```

```
</div>
```

```
</div>
```

```
</div>
```

```
<script>
```

```
// Sample data
```

```
const locations = [
```

```
{ name: "River Delta Station", ph: 5.7, oxygen: 4.2, temp: 24.8, turbidity: 45, status: "critical" },
```

```
{ name: "Industrial Zone Monitor", ph: 6.1, oxygen: 5.8, temp: 22.1, turbidity: 32, status: "warning" },
```

```
{ name: "Residential Area Sensor", ph: 7.1, oxygen: 8.1, temp: 20.5, turbidity: 18, status: "good" }
```

```
];
```

```
let currentLocation = 0;
```

```
function selectLocation(index) {
```

```
currentLocation = index;
```

```
const location = locations[index];

// Update metrics

document.getElementById('ph-value').textContent = location.ph;

document.getElementById('oxygen-value').textContent = location.oxygen;

document.getElementById('temp-value').textContent = location.temp;

document.getElementById('turbidity-value').textContent = location.turbidity;

// Update active location

document.querySelectorAll('.location-item').forEach((item, i) => {

item.classList.toggle('active', i === index);

});

updateChart();

}

// Initialize chart

const ctx = document.getElementById('pollutionChart').getContext('2d');

let chart;

function updateChart() {

const data = {

labels: ['Jan', 'Feb', 'Mar', 'Apr', 'May', 'Jun'],

datasets: [

{

label: 'pH Level',

data: [7.2, 6.8, 6.5, 6.1, 5.9, locations[currentLocation].ph],

borderColor: '#0ea5e9',

backgroundColor: 'rgba(14, 165, 233, 0.1)',
```

```
tension: 0.4

},

{
  label: 'Oxygen (mg/L)',
  data: [8.5, 7.8, 6.2, 5.8, 4.9, locations[currentLocation].oxygen],
  borderColor: '#06b6d4',
  backgroundColor: 'rgba(6, 182, 212, 0.1)',
  tension: 0.4
},

{
  label: 'Turbidity (NTU)',
  data: [12, 18, 25, 32, 38, locations[currentLocation].turbidity],
  borderColor: '#8b5cf6',
  backgroundColor: 'rgba(139, 92, 246, 0.1)',
  tension: 0.4
}
]

};

if (chart) {
  chart.destroy();
}

chart = new Chart(ctx, {
  type: 'line',
  data: data,
```



```
options: {  
  responsive: true,  
  plugins: {  
    legend: {  
      position: 'top',  
    },  
  },  
  scales: {  
    y: {  
      beginAtZero: true  
    }  
  }  
});  
  
// Initialize  
updateChart();  
  
// Simulate real-time updates  
setInterval(() => {  
  const location = locations[currentLocation];  
  location.ph += (Math.random() - 0.5) * 0.1;  
  location.oxygen += (Math.random() - 0.5) * 0.2;  
  location.temp += (Math.random() - 0.5) * 0.5;  
  location.turbidity += (Math.random() - 0.5) * 2;
```

```
selectLocation(currentLocation);
```

```
}, 5000);
```

```
</script>
```

```
</body>
```

```
</html>
```