

POST

# InsideEPA article: "Facing Limited Resources, States Eye AI To Boost Air, Water Enforcement

March 22, 2021

\$17.95 a month for EnviroAI access

STATES

USING

ARTIFICIAL

INTELLIGENCE

## Facing Limited Resources, States Eye AI To Boost Air, Water Enforcement

March 18, 2021

States are weighing the potential for using artificial intelligence (AI) methods to bolster their air and water enforcement efforts, using new data-collecting techniques to identify potential targets for in-person inspections that will help them maximize

the use of increasingly limited staff resources. In a March 16 presentation to the virtual Spring meeting of the Environmental Council of the States (ECOS), law professor Daniel Ho of Stanford University outlined the university's program on AI for environmental compliance, which he called a.

<https://insideepa.com/environment-next-news/facing-limited-resources-states-eye-ai-boost-air-water-enforcement> ([http://r20.rs6.net/tn.jsp?f=001FWcBzkC7UZT-QyZKZ7vewIQRGzZrJTIEu6D15V\\_-S1y\\_KceXUF5wGkoxnJSokyKKvqEn4sTbNlxvvk8c\\_H9Fb9VwoZxoMcGuGGFCbXmjFUd3hKc8ouojDjx2TnfEbhYG5mD6m-BR6hol6cTjzBot2e5A76RQ5P5qUuZoAJFHFSIDOIKVVB6P4loGrR4VfEP4CXUStgDK3vDQfhtDiviDpHzoGMhqzh1-qDPQGpd8Tb8vb4fLGqzehw6rWHXF-RE7-LPQkkColo=&c=&ch=](http://r20.rs6.net/tn.jsp?f=001FWcBzkC7UZT-QyZKZ7vewIQRGzZrJTIEu6D15V_-S1y_KceXUF5wGkoxnJSokyKKvqEn4sTbNlxvvk8c_H9Fb9VwoZxoMcGuGGFCbXmjFUd3hKc8ouojDjx2TnfEbhYG5mD6m-BR6hol6cTjzBot2e5A76RQ5P5qUuZoAJFHFSIDOIKVVB6P4loGrR4VfEP4CXUStgDK3vDQfhtDiviDpHzoGMhqzh1-qDPQGpd8Tb8vb4fLGqzehw6rWHXF-RE7-LPQkkColo=&c=&ch=)))





**Don't get left  
behind by  
technology.**

How can I help you?

[ICEQ Document Results](#)
[ICIQ Web Files](#)
[ICIQ Enforcement](#)
[EPA](#)
[Scientific Research](#)
[Legal](#)
[News](#)
[Internet](#)
[Social Media](#)

About 1690 records

### Alternative Means of Emission Limitation to operate pressure ...

<https://www3.epa.gov/ttn/airquality/aqia/airquality/aqia.html>  
**Chevron Phillips Chemical** has requested an alternative means of emission limitation to allow the use of multi-point ground flares. 4/21/16, 81 FR 23480, AMEL ...

[AET\\_008 Annual of Alternative Method 19 Carnation Distributions for](#)

UNIT	NAME	STATUS	TYPE	DATE	LOCATION
100-100-100-100	100-100-100-100	100-100-100-100	100-100-100-100	100-100-100-100	100-100-100-100
100-100-100-100	100-100-100-100	100-100-100-100	100-100-100-100	100-100-100-100	100-100-100-100
100-100-100-100	100-100-100-100	100-100-100-100	100-100-100-100	100-100-100-100	100-100-100-100
100-100-100-100	100-100-100-100	100-100-100-100	100-100-100-100	100-100-100-100	100-100-100-100
100-100-100-100	100-100-100-100	100-100-100-100	100-100-100-100	100-100-100-100	100-100-100-100
100-100-100-100	100-100-100-100	100-100-100-100	100-100-100-100	100-100-100-100	100-100-100-100
100-100-100-100	100-100-100-100	100-100-100-100	100-100-100-100	100-100-100-100	100-100-100-100
100-100-100-100	100-100-100-100	100-100-100-100	100-100-100-100	100-100-100-100	100-100-100-100
100-100-100-100	100-100-100-100	100-100-100-100	100-100-100-100	100-100-100-100	100-100-100-100

### VALERO PORT ARTHUR REFINERY

100-100-100-100  
 100-100-100-100  
 100-100-100-100

[Details](#) [Documents\(50\)](#)

- Stack Test - O&A / Air Compliance - 2019-08-01
- Request for Order - A&P / Federal Operating Permit - 2018-02-26
- Agency Review - A&P / Federal Operating Permit - 2018-04-04
- OW or Media Monitoring Report - W&T / Industrial Hazardous Waste Compliance Action - 2018-01-11
- Response to Comments - W&T / Industrial Hazardous Waste Compliance Action - 2018-01-11
- Investigation - O&A / Air Compliance - 2018-12-19
- Technical Review - A&P / State Source Title Number - 2018-10-18
- Applications - W&T / Industrial Hazardous Waste - 2009-04-02
- Reports - W&T / Industrial Hazardous Waste - 2009-04-02
- Correspondence - W&T / Industrial Hazardous Waste - 2009-04-02
- Reports - W&T / Industrial Hazardous Waste - 2009-07-03
- Agency - W&T / Industrial Hazardous Waste - 2009-07-03
- Agency - W&T / Industrial Hazardous Waste - 2009-07-03
- Reports - W&T / Industrial Hazardous Waste - 2009-02-27
- Correspondence - W&T / Industrial Hazardous Waste - 2009-03-27
- Reports - W&T / Industrial Hazardous Waste - 2009-03-27
- Reports - W&T / Industrial Hazardous Waste - 2009-03-27
- Reports - W&T / Industrial Hazardous Waste - 2009-03-27
- Reports - W&T / Industrial Hazardous Waste - 2009-03-27
- Reports - W&T / Industrial Hazardous Waste - 2009-03-27



AI Earth

67 records

Layers

Item	Value
Item 9. Was the exterior of the property described in the report?	7
Item 9. Was the interior of the property described in the report?	7
Item 10. Did the ESA mention any previous ESA?	8
Item 11. Were the uses and conditions of the site reported?	8
Item 12. Did the document describe whether a representative of the owner was present during the site visit?	8
Item 13. Were interviews conducted?	9
Item 14. Did the report describe adjoining properties?	9
Item 15. Is a source of potable water identified?	10
Item 16. Are roads and parking areas described?	11
Item 17. Volatility Potential	11

Generator

Potential Emissions Reduction Opportunities

100-100-100-100

Only

\$17.95 a month

[click here to purchase \(http://r20.rs6.net/tn.jsp?f=001FWcBzkC7UZT-QyZKZ7vewIQRGzzrJTIeu6D15V\\_-S1y\\_KceXUF5wGkoxnJSokyuK06oUXQLLsInoYHEmRPEaUvE863gOvwL1nY6fxoct3cC2tq-CPCW4STMEVcw-NF8pxLqr-dclAguQ3Q3Iz4nLyfd\\_IOO862p4&c=&ch=\)](http://r20.rs6.net/tn.jsp?f=001FWcBzkC7UZT-QyZKZ7vewIQRGzzrJTIeu6D15V_-S1y_KceXUF5wGkoxnJSokyuK06oUXQLLsInoYHEmRPEaUvE863gOvwL1nY6fxoct3cC2tq-CPCW4STMEVcw-NF8pxLqr-dclAguQ3Q3Iz4nLyfd_IOO862p4&c=&ch=)

Prices start at \$17.95 a month for our basic TCEQ document search. Click here for **full product listing.** ([http://r20.rs6.net/tn.jsp?f=001FWcBzkC7UZT-QyZKZ7vewIQRGzzrJTIeu6D15V\\_-S1y\\_KceXUF5wGmLbY9Hkw1Px5MWHsyRy3BA3j-c5vz35qofaPnnx5GdVeN1bcBBEvvVsRDyUwaDyXsGmqUeN\\_F4fpgYvE6qbhzLFv6gnbN9oWg==&c=&ch=\)](http://r20.rs6.net/tn.jsp?f=001FWcBzkC7UZT-QyZKZ7vewIQRGzzrJTIeu6D15V_-S1y_KceXUF5wGmLbY9Hkw1Px5MWHsyRy3BA3j-c5vz35qofaPnnx5GdVeN1bcBBEvvVsRDyUwaDyXsGmqUeN_F4fpgYvE6qbhzLFv6gnbN9oWg==&c=&ch=))



- FIND BETTER PERMIT CONDITIONS
- FIND EXAMPLE PERMIT APPLICATIONS
- FIND EXEMPTIONS
- FIND CONTROL IDEAS AND ALTERNATIVES

- FIND DEVIATIONS AND VIOLATIONS

“The value is undeniable.”—Former Energy CEO

**“Pay dirt. Instant  
value.”**

- EHS Manager, \$5  
Billion Chemical  
Company

“Ceres  
helped  
me save  
my  
company  
over \$1  
million.”

--EHS Manager, Chemical  
Manufacturing Company

**“This tool is  
amazing.”** — Ceres  
User and Fortune 100  
Petrochemical Company

**“A game-changer...”**

—Former CEO of one of the largest international IPPs

**“I’m simply blown away. This  
creation is absolutely mind-**

**“numbing.”** ---A Leading Environmental Consultant

**“Fundamentally changes the  
environmental profession.”**

—Former CEO of one of the  
world’s largest IPP companies

**PURCHASE  
NOW!**



**\$17.95**

This is an advertisement for EnviroAI

---

Licensed [CC-BY-4.0](https://creativecommons.org/licenses/by/4.0/) (https://creativecommons.org/licenses/by/4.0/).

Original source: Constant Contact campaign

Markdown source: <https://jedanderson.org/posts/insidepa-article-facing-limited-resources-states-eye-ai-to-boost-air-water-enfo.md> (<https://jedanderson.org/posts/insidepa-article-facing-limited-resources-states-eye-ai-to-boost-air-water-enfo.md>).

Source on GitHub: [/src/content/posts/insidepa-article-facing-limited-resources-states-eye-ai-to-boost-air-water-enfo.md](https://github.com/jedanderson432/jedanderson-site/blob/main/src/content/posts/insidepa-article-facing-limited-resources-states-eye-ai-to-boost-air-water-enfo.md) (<https://github.com/jedanderson432/jedanderson-site/blob/main/src/content/posts/insidepa-article-facing-limited-resources-states-eye-ai-to-boost-air-water-enfo.md>).