



# Water & Wastewater Management



## Water & Wastewater Management Integrates with these other OESuite® Modules



Air Emissions



Waste Management + Mobile



Task & Compliance Management + Mobile



Audit Management + Mobile



Operator Rounds + Mobile

The Operational Sustainability® (OS) **OESuite® Water & Wastewater Management Module** removes compliance challenges related to National Pollutant Discharge Elimination System (NPDES) permitting, coordinating sampling locations and procedures, and reducing human error and the time required to gather and process samples in the field. Through its out-of-the-box integration with the Environmental Protection Agency's (EPA) NetDMR reporting system, the **Water & Wastewater Management Module** make producing and submitting Discharge Monitoring Reports (DMR) and Multi-Sector General Permits (MSGP) easy.

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
**DISCHARGE MONITORING REPORT (DMR)**

Form Approved  
OMB No. 2040-0004

PERMITTEE NAME/ADDRESS  
(Include Facility Name/Location If Different)  
**NAME** LA0127268

**ADDRESS** PERMIT NUMBER DISCHARGE NUMBER

**FACILITY** Lotte Chemical Lake Charles

**ADDRESS** FROM TO

MONITORING PERIOD					
MO	DAY	YEAR	MO	DAY	YEAR
6	1	2018	12	31	2018

NOTE : Read instructions before

PARAMETER	X	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
FLOW-MGD 50050	SAMPLE	0	0	Mgal/d	*****	*****	*****	*****		
	PERMIT REQUIREMENT	Report	Report		*****	*****	*****		Continuous	Recorder
pH Range Excursions (Continuous 82581	SAMPLE	*****	*****	*****	*****	*****	*****	*****		
	PERMIT REQUIREMENT	*****	*****		*****	*****	*****		Continuous	Recorder
pH Minimum/Maximum Values 82582	SAMPLE	*****	*****	*****	*****	*****	*****	*****		
	PERMIT REQUIREMENT	*****	*****		*****	*****	*****		Continuous	Recorder
BOD 00310	SAMPLE	*****	*****	lb/d	*****	*****	*****	mg/L		
	PERMIT REQUIREMENT	218	582		*****	NULL	NULL		3/week	24-hr. Composite
TSS 00530	SAMPLE	*****	*****	lb/d	*****	*****	*****	mg/L		
	PERMIT REQUIREMENT	334	1081		*****	NULL	NULL		3/week	24-hr. Composite
Total Copper 01042	SAMPLE	*****	*****	lb/d	*****	*****	*****	mg/L		
	PERMIT REQUIREMENT	0.82	1.94		*****	NULL	NULL		1/quarter	24-hr. Composite

EPA Form 3320-1 (Rev. 03-99) Previous editions may be used. PAGE 1 OF 8

Figure 1 – OESuite® Discharge Monitoring Report

With the **Water & Wastewater Module**, organizations can experience full visibility into their wastewater data and outfalls by defining the outfall reporting requirements and tracking the data elements to feed into eDMRs. The **Water & Wastewater Module** can also quickly and accurately track permit information (e.g., types, renewal dates, limits, environmental reporting requirements, etc.), manage compliance activities and obligations through the **Task & Compliance Management + Mobile Module**, and automatically consolidate and deliver results on time. Users can also utilize the **Tag Function** to capture sample information such as lab results, permit limits, and notifications.



DMR SETUP FORM

Entity: Houston Plant (HOU)      Outfall: TX2-Q      Permit: OK0001309

Frequency: Annually      Flow Parameter: TX2-Q-FLOW      Effective Date: 1/1/2017      Status: Active

[AUDIT TRAIL](#)

**PARAMETERS**

Select Tag  Display Filter

Seq#	Applicable To	Tag(s)	Tag Type	Display Name	Parameter Information	Permit Requirement
1	Houston Plant (HOU)	TX2-Q-PH	pH	pH	<a href="#">Set Parameter Information</a>	<a href="#">Set Permit Requirement</a>
2	Houston Plant (HOU)	TX2-Q-N	Content - Concentration (mg/L)	Nitrogen, ammonia total (as N)	<a href="#">Set Parameter Information</a>	<a href="#">Set Permit Requirement</a>
3	Houston Plant (HOU)	TX2-Q-Benzene Concentration	Content - Concentration (ppm)	Benzene	<a href="#">Set Parameter Information</a>	<a href="#">Set Permit Requirement</a>
4	Houston Plant (HOU)	TX2-Q-TOC	Level %	TOC	<a href="#">Set Parameter Information</a>	<a href="#">Set Permit Requirement</a>
5	Houston Plant (HOU)	22154510 Level	Level %		<a href="#">Set Parameter Information</a>	<a href="#">Set Permit Requirement</a>
6	Houston Plant (HOU)	TX2-Q-FLOW	Flowrate - Volume (gpm)	Flow-MGD	<a href="#">Set Parameter Information</a>	<a href="#">Set Permit Requirement</a>
7	Houston Plant (HOU)	22154509 Press	Pressure		<a href="#">Set Parameter Information</a>	<a href="#">Set Permit Requirement</a>

[GENERATE DMR](#)   [PREVIEW](#)

Figure 2 – OESuite® Water DMR Setup Form

Our comprehensive, cloud-based platform enables full EPA compliance. Compliance personnel gathering samples in the field can integrate with their Laboratory Information Management System (LIMS) via mobile device through our **Operator Rounds + Mobile Module**. OESuite's lab data validator also has built-in business rules to address complex verification requirements with multiple format support to allow import of lab results directly into the **Water & Wastewater Management Module**.

With OESuite®, users can:

- Manage roles and permissions to enable interaction between consultants, labs, and staff
- Resolve gaps and deficiencies in information
- Review Key Performance Indicators from mobile dashboards
- Escalate emails based on pre-determined limits
- Create ad hoc reports on the fly
- Manage tasks directly from the dashboard and compliance calendar
- Manage permit compliance while monitoring regulatory limits with the **Task & Compliance Management + Mobile Module**
- Track compliance with policies and regulations over time with the **Audit Management + Mobile Module**
- Access lab results, reports, and sample information input on mobile-enabled devices through our **Power BI Connector**

Take your compliance to a new level of performance with the **OESuite® Water & Wastewater Management Module**.

**The Water & Wastewater Management Module is a key component of these OESuite® Frameworks and Solutions:**



EHS Compliance Framework



ESG Solution



# Water & Wastewater Management



These are the core functions in all OESuite® Modules:



Ad Hoc Reporting



Archiving



Asset Registry /  
Navigation



Audit Trail



Calculation Engine



Coordination  
Compliance



Configurable  
Notifications



Damage Mechanisms



Data  
Export / Import



Document Links /  
Attachments



Form Builder



Integration /  
Connectors



Multi-Lingual /  
International Formatting



KPI Manager



Material Library



Mobility



Module and Hierarchy  
Specific Security



My Obligations /  
Calendar



My Subscriptions



Obligation  
Reassignment



OE View



Planning /  
Scheduling



Portal



RACI Chart



Redlining



Report Builder



Risk Ranking



Risk Registry



Robust Search



Single Sign On  
(SSO)



Standard Reporting



Tags



Verification



Visual Operations

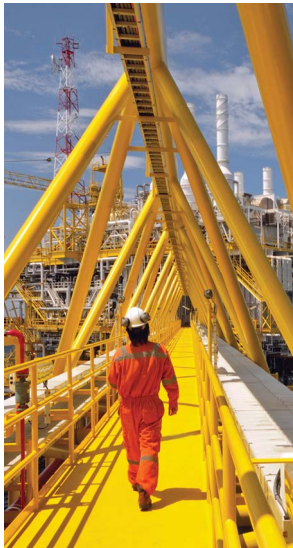


Workflow (Initiate,  
Approval, Execution, etc.)

For more information email us at [info@DrivingOE.com](mailto:info@DrivingOE.com) or call (713) 355-2900.



**Operational Sustainability®**  
Driving Operational Excellence™



Workforce



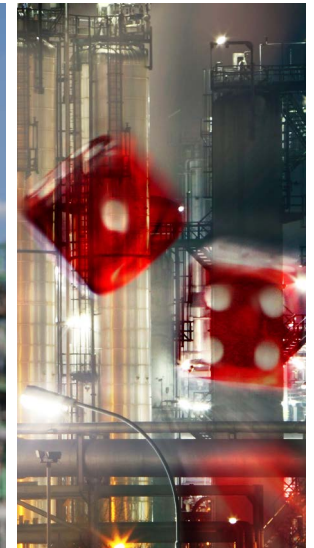
Assets



Operations



Compliance



Risk

## Operational Sustainability® makes operational excellence simple.

Succeeding in today's complex, highly-regulated industries depends on how well your company manages **operational risk** and enables **operational discipline**. Our world-class advisory services and our industry-leading cloud-based, highly configurable software work together to enable your company to achieve **operational excellence**. To implement OE 4.0 and sustain **operational integrity**, companies must balance production goals with reliability, safety, and human and environmental factors. We identify and help you solve any issues to move to a real-time, mobilized risk-aware culture. With an average of more than 30 years of industry experience each, our advisors can design a solution tailored to your company's culture and needs.

Learn how Operational Sustainability can advise your workforce through our consulting services and support your journey to operational excellence through our OESuite® software platform. See our full slate of free webinars, white papers, detailed module information, and scheduled workshops online at [www.DrivingOE.com](http://www.DrivingOE.com).

**Schedule your free consultation and demo today.**

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