

# MS4 Construction Program Newsletter



**COLORADO**  
Department of Transportation  
CDOT Water Quality Program

Issue 3

March 2022

## CDOT HQ News

Hope everyone is staying warm while we look forward to Spring arriving. Construction will be ramping back up in the mountains soon but we're sure everyone has been busy! Here are some exciting updates to kick off the Spring season.



- General MS4 eLearning training is being tested and finalized. Internal CDOT learners, keep an eye out for the training on CDOT's LMS this Spring/Summer.
- CDOT SWMP Recertification Classes kicked off early this year and we have had some great turnout! The SWMP Recertification Class is a four hour class for current SWMP Certification holders. The class covers recent permit changes and the 207/212 specifications. Additional SWMP Certification and Recertification Classes will be posted later this Spring.

Certified!

- To be notified of upcoming SWMP and TECS Classes, you can sign up for our Class Notification list here: [Class Notification MailChimp](#)
- We're hiring! Region 4 is seeking an Environmental Protection Specialist II, Water Quality - Greeley. As the Region Water Pollution Control Specialist, you will act as an independent water quality resource pacesetter who will be responsible for overseeing a high volume of projects throughout all construction and maintenance phases. [EPS II Posting](#)
- In more bittersweet news, the MS4 Construction Program Manager, Laura Newman, P.E., has accepted an exciting new position with CDPHE's Air Pollution Control Division. The program has benefited greatly from her contributions and we are looking forward to bringing new talent into the fold. CDOT HQ - Denver will be posting an opening to the Colorado Jobs site in the near future. Please apply if you are interested and spread the word! [Colorado Jobs](#)

Contact the MS4 Construction Field Manager, [paul.heffernan@state.co.us](mailto:paul.heffernan@state.co.us), for more information about the MS4 Construction Program and help with the new 2nd Nature Software.

Contact Water Quality Specialist, [valerie.stanson@state.co.us](mailto:valerie.stanson@state.co.us), for training information.

Contact Landscape Architecture Section Manager, [pamela.cornelisse@state.co.us](mailto:pamela.cornelisse@state.co.us), for questions concerning Landscape Architecture related updates.

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## 2nForm Updates



Thank you to everyone who was able to attend the 2nForm Stormwater Construction Inspection App Q & A on January 20, 2022. Our presenters appreciated everyone's participation and the great questions that came in! We hope that everyone who wanted to attend were able to connect.

If you weren't able to attend or if you want to review the recording, the webinar is [here](#).

- [CARL User Guide - Project Engineer](#)
- [CARL Training Video - Project Engineer](#)
- [CARL User Guide - Contractor](#)
- [CARL Training Video - Contractor](#)
- [Contact Support](#) When submitting a comment that pertains to CDOT, start your description with "CDOT" in the issue field.
- [Construction Bulletin](#) "CDOT's MS4 Inspection software ESCAN/CARL"

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## Webinar - Artificial Intelligence in Stormwater Inspections

CDOT sponsored an exciting study that researched the use of artificial intelligence (AI) to aid in permit-required stormwater inspections, especially on large projects. The premise was that the AI can pre-screen a construction site by evaluating imagery of stormwater control measures (collected from drones) and then flag potential issues for field confirmation by inspectors.

This initial study was a proof of concept study to determine if the AI could be taught to identify findings on a control measure (silt fence). The initial results from this study are very promising and CDOT's consultant presented the findings at our internal Environmental Training Workshop and at the Mountain States and National IECA conferences.

HQ hosted a webinar in January to share the results. You can access the webinar [here](#).

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## Construction General Permit (CGP) Updates

The EPA has officially reissued the CGP for stormwater discharges from construction activity on January 18, 2022, replacing the 2017 CGP. This permit covers stormwater discharges from construction activities in areas where EPA is the NPDES permitting authority in EPA's Regions 1, 2, 3, 4, 5, 6, 7, 8, 9, and 10 (such as Indian Land, military bases, and federal facilities).

CDOT HQ has determined that the TECS Certification meets the new inspector training requirements.

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## Regulatory Updates

- CDPHE's Clean Water Compliance Unit is back to conducting in-person compliance evaluation inspections (CEIs) and meeting pre-pandemic compliance oversight targets for compliance evaluation inspections.
- As construction season is coming, if you are a contractor, be sure to give yourself time for the application process associated with CDPHE's Stormwater Construction Permit (SCP). Due to anticipated increases in applications, do not expect a 1 day turn around from the Division. A complete application submission will ensure a quicker turn around.
- Reminder that the SCP requires both signatures of the owner and operator (permittee) of the construction site for a complete application submission.
- Permittees with coverage for short-term discharges under COG070000, COG315000, or COG316000 must complete their dewatering activities and apply for permit termination or obtain alternate permit coverage by May 31, 2022.

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### Common Inspection Findings (Field and SWMP)

- Vehicle track off
- Material waste/trash on site
- Excess sediment behind silt fence/erosion logs
- Earth berms not compacted
- Control measures not adequately maintained
- Corrective actions not completed immediately
- Hydromulch sprayed over the inlet
- Inlet protection does not cover entire opening
- Secondary containment collapsed/not adequate
- Field conditions not accurately represented

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## Upcoming Trainings and Conferences



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[CDOT TECS Certification Class \(Virtual\)](#)

04/20/2022 -  
04/21/2022

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[CDOT TECS Certification Class \(Virtual\)](#)

05/04/2022 -  
05/05/2022

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[CDOT TECS Certification Class \(Virtual\)](#)

05/18/2022 -  
05/19/2022

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**MS4 Construction Program Website:**

<https://www.codot.gov/programs/environmental/water-quality/stormwater-programs/construction-sites-program>

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