The background features abstract, overlapping geometric shapes in various shades of green, ranging from light lime to dark forest green. These shapes are primarily located on the left and right sides of the page, framing the central text. The overall aesthetic is clean and modern.

Environmental Permitting

With Van Adams

Who am I?

- ▶ Environmental Specialist in the Environmental Stewardship Office
- ▶ Get permits
 - ▶ M&O
 - ▶ Capital projects
- ▶ Other various wetland field work activities
 - ▶ Delineations
 - ▶ Stream Stats
 - ▶ Beaver dam removal expert



Permits? What and Why?

- ▶ Needed to do some sort of activity in federal or state jurisdictional lands
 - ▶ If you touch water, you'll probably need a permit
- ▶ If found doing work without proper environmental permits, fines or penalties can occur.
 - ▶ Ex- largest criminal action for violating regulations without permits led to 9 plus years in prison and company over \$4.8 million in fines
 - ▶ Filled approx. 260 acres of wetlands without permit



State and Federal agencies care???

- ▶ DNREC- state agency that cares
 - ▶ Delaware Code Title 7 Conservation Natural Resources Chapter 72.
- ▶ United States' Army Corps of Engineers- Federal agency that cares
 - ▶ Section 404 of Clean Water Act
- ▶ Both have different permit requirements and applications
 - ▶ Good thing for you its my job to deal with it!

Bog Turtle



Why you should care!

- ▶ Produce and give habitat for food
 - ▶ Blueberry's, cranberry's, shrimp, fish, wild rice.
- ▶ Moderate global climate conditions
 - ▶ Wetlands store carbon instead of letting it into atmosphere, therefore less greenhouse gasses in atmosphere, hence moderating climate conditions on a global scale.
- ▶ Improve drinking water quality
 - ▶ Removes pollutants from runoff
 - ▶ Saves money. If pollutants are removed from drinking water, state agencies do not have to spend money on removing said pollutants and can use money else were.
- ▶ Shoreline protection
- ▶ Reduce Floods

Types of Permits

- ▶ No Permit
 - ▶ Project is non-jurisdictional so no environmental permits are needed
- ▶ Simple FYI permits
 - ▶ Nice little email to agencies saying “hey were going to do this small thing”
- ▶ Not so simple permits
 - ▶ Long applications with plans, photos, cover letters explaining what and why you are impacting a resource
 - ▶ Sometimes projects need long permits from
 - ▶ DNREC
 - ▶ USACE
 - ▶ USCG
 - ▶ New Castle County
 - ▶ City of Wilmington
- ▶ Just all depends!



Permitting Process General Overview

- ▶ Someone comes up with a project
- ▶ Environmental looks at the project
 - ▶ Does it touch wetlands or water?
 - ▶ No?
 - ▶ Great, proceed!
 - ▶ Yes?
 - ▶ Slow your roll, we may need environmental permits.
 - ▶ Remember 3rd slide about fines and jail?
- ▶ If permits are needed, go through permit process
 - ▶ Paperwork, emails, applications
- ▶ Once permits are received by proper agencies, proceed with project!

Where environmental permit process is headed



- ▶ Currently Maintenance and Operations uses Maximo
 - ▶ Submit project to Maximo, I permit process, send back to them
- ▶ Working on testing new application
 - ▶ UNIFIER!!!

Unifier: THE FUTURE



- ▶ Currently in wrapping up test phase
 - ▶ Shout out Nelson Kesselring and Aislinn Jubb for testing
- ▶ Currently used for construction sides of things and with inspectors
 - ▶ Billy Sweeny could give you real factual details about what its used for now if interested
- ▶ Permits are next

Environmental Permit Request Send Save

General RTE

Permit Request Details

Title Old County Road Pipe Replacement	Creation Date 09/21/2020 02:33 PM
Creator Aislinn Jubb	Status Submitted
Record No. uxep-0003	County New Castle County
Work Phone 3023264533	Location - Directions Between 2643 / 2647 Old County Road
E-Mail Aislinn.Jubb@delaware.gov	Priority 3 - Critical
Supervisor Michael Hauske	Detailed Summary Pipe running under Old County Road to connect a tax ditch is failing, not carrying the flow of water, and causing flooding to occur on a specific path of Old County Road. The
Summary Pipe replacement connecting tax ditch between 2643 / 2647 Old County Road	

Section 106 of NHPA

Consultation Comments

Attachments

Name	Title
NPDESView.pdf	
NPDESZoom.pdf	
OCRpipe.jpg	

Total: 3

Unifier and Environmental

- ▶ Currently M&O uses Maximo to submit permits
- ▶ Going to switch over to Unifier
- ▶ Once we have everything working smoothly with M&O plan to move capital projects to Unifier

DelDOT BR 3-588 on SR... +

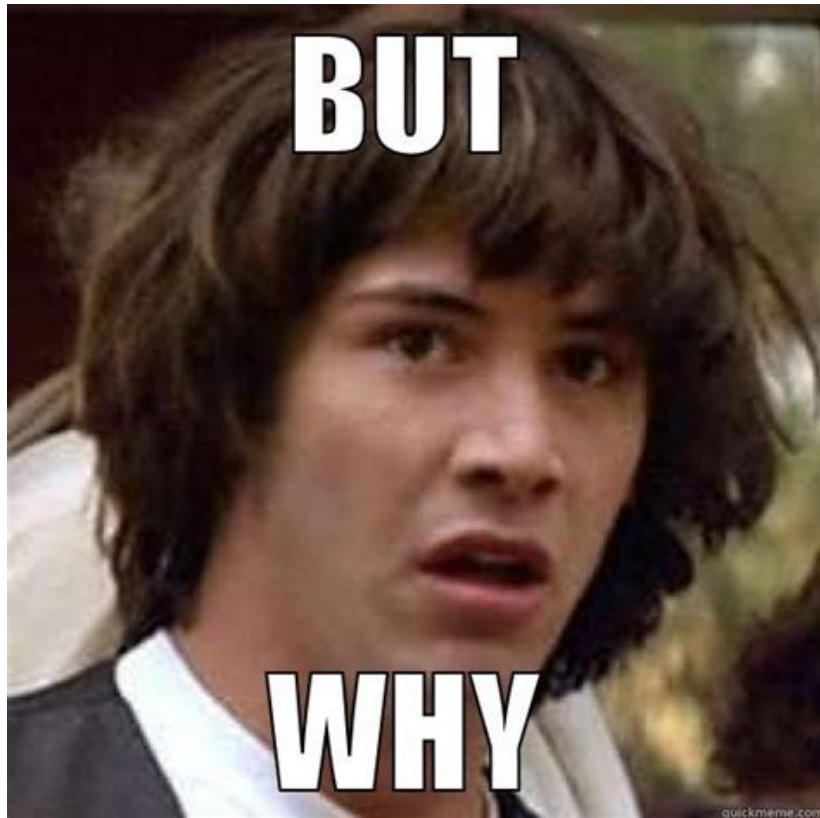
DelDOT > DOTS > BR 3-588 on SR2...

Environmental Permit Request

+ Create Actions View All Records [Icons]

Record No.	Title	Creator	Creation Date	Status	Location - Directions	County
uxep-0001	BR 3-588	Anna Smith	06/12/2020 01:54 PM	Submitted	,vkjvoviJNKCM ;aoihf	Sussex County
uxep-0002	123 paper road	Van Adams	08/17/2020 08:02 AM	Completed	35°65'45 75°49'26	Kent County
uxep-0003	Old County Road Pipe ...	Aislinn Jubb	09/21/2020 02:33 PM	Submitted	Between 2643 / 2647 O...	New Castle County
uxep-0004	1235 Crestover Road P...	Aislinn Jubb	09/22/2020 12:14 PM	Completed	1235 Crestover Road	New Castle County
uxep-0005	Pipe Replacement Per...	Nelson Kesselring	09/25/2020 01:27 PM	In_Construction	S280B Conley's Chapel...	Sussex County
uxep-0006	Pipe Replacement	Nelson Kesselring	09/25/2020 01:47 PM	In_Construction	S288 Will King Rd. fro...	Sussex County
uxep-0007	Pipe Replacement	Nelson Kesselring	09/25/2020 02:13 PM	In_Construction	S474 Dukes Lumber R...	Sussex County
uxep-0008	Pipe Replacement Permit	Nelson Kesselring	09/25/2020 02:39 PM	In_Construction	S249 Shingle Point Rd...	Sussex County
uxep-0009	Pipe Replacement Permit	Nelson Kesselring	09/28/2020 07:20 AM	In_Construction	S249 Shingle Point Rd...	Sussex County
uxep-0010	Pipe Replacement Permit	Nelson Kesselring	09/28/2020 07:44 AM	In_Construction	S249 Shingle Point Rd ...	Sussex County
uxep-0011	Pipe Replacement Permit	Nelson Kesselring	09/28/2020 08:00 AM	Submitted	S249 Shingle Point Rd ...	Sussex County
uxep-0012	Pipe Replacement Permit	Nelson Kesselring	09/29/2020 12:09 PM	In_Construction	S318 Cedar Lane from:...	Sussex County

WHY?!?!?!?



- ▶ Use one application for everything
- ▶ All divisions have access to it to look at permits
- ▶ More streamline
- ▶ Workflows
 - ▶ Unifier buzzword I learned

Conclusion

- ▶ Environmental permits are important
 - ▶ JAIL
- ▶ New applications
 - ▶ UNIFIER
- ▶ Questions?

Contact info

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