

# The AZPDES & Construction Sites

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A photograph of a construction site. In the background, there is a building under construction with extensive scaffolding. The ground in the foreground is dirt and covered with various pieces of debris, including wooden pallets, a long wooden plank, and some plastic bags. The overall scene is one of active construction or demolition.

# AZPDES & Construction Sites

Top 10 Problems

**#1 – No permit coverage**

# Who qualifies for coverage under the 2008 Construction General Permit?

YOU do if you are an operator of a  
construction site and 1 or more  
acres of land is disturbed

# Who qualifies for coverage under the 2008 Construction General Permit?

...or if your project is part of a  
common plan of development or  
sale that will ultimately disturb an  
acre or more

# Permit Waivers

- The project must disturb less than 5 acres,
- The project cannot be located within 0.25 miles of an impaired or outstanding Arizona water, and
- The project must have an "R" (or erosivity) value of less than 5 as calculated by the Smart NOI system.

# Who is considered an “operator”?

- A person who has control over the construction plans and specifications and/or
- A person who has day to day control of the site

How do you apply for  
coverage?



# Accurately Complete an NOI

[www.az.gov/app/noi](http://www.az.gov/app/noi)



## AZPDES Permit: AZG-2008-001 NOTICE OF INTENT (NOI) for Construction Activity Discharges to Waters of the United States

FOR COVERAGE, A COMPLETE AND ACCURATE NOI MUST BE SUBMITTED TO:  
Arizona Department of Environmental Quality, Surface Water Section / Stormwater & General Permits Unit  
1110 West Washington, 5415A-1; Phoenix, Arizona 85007  
FAX: (602) 771-4528

Is this NOI a revision to a project previously filed under the 2008 AZPDES Construction General Permit?  YES  NO If yes, complete the following:

- Provide your current authorization #: AZCON-\_\_\_\_\_
- Provide the name of the project/site in Part II and **ONLY** the specific information being revised.
- Complete the certification section in Part V and have this document signed by the authorized signatory.

Is the Site Located on  
Indian Country Lands?  
 YES  NO

### I. OPERATOR (Applicant) INFORMATION

Phone: \_\_\_\_\_

- Contact Name: \_\_\_\_\_ Fax: \_\_\_\_\_
- Operator's Business Name: \_\_\_\_\_
- Operator's Mailing Address: \_\_\_\_\_
- City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

BUSINESS STATUS: Federal  State  Other Public  Private

### II. CONSTRUCTION SITE INFORMATION

- Project/Site Name: \_\_\_\_\_
- County Parcel No. (at main entrance): \_\_\_\_\_ Phone: \_\_\_\_\_
- Type of Project (subdivision, commercial, road, pipeline, utility, ADOT project, etc.): \_\_\_\_\_  
If a subdivision, has state or local subdivision approval been obtained?  YES  NO  
If yes, provide the Subdivision Certificate of Approval number: \_\_\_\_\_
- Is the project part of a larger plan of development?  YES  NO (See Item II in the Instructions)
- Does the project have/need other environmental permits or approvals? If so, list and provide the permit/approval number (attached sheet, if necessary): \_\_\_\_\_
- Site physical location (include address, if applicable, or directions from nearest municipality): \_\_\_\_\_  
City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ County: \_\_\_\_\_
- Estimated Project Start Date: \_\_\_\_\_ Estimated Termination Date: \_\_\_\_\_  
(Month / Day / Year) (Final Stabilization)
- Estimate of total acres (to the nearest 1/2 acre) to be disturbed with the entire construction project: \_\_\_\_\_
- Estimate of total acres (to the nearest 1/2 acre) to be disturbed by your operations: \_\_\_\_\_

September 2010

NOI for Coverage under AZPDES Permit: AZG 2008-001

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Select the non-stormwater discharges expected to be associated with your construction-related activities (according to attached instructions):

- |  |   |
|--|---|
| <input type="checkbox"/> None  | <input type="checkbox"/> Foundation or footing drains – uncontaminated  |
| <input type="checkbox"/> Discharges from emergency fire-fighting activities  | <input type="checkbox"/> Potable water well flushing – ephemeral receiving waters   |
| <input type="checkbox"/> Fire hydrant flushing – ephemeral receiving waters  | <input type="checkbox"/> Water used for compacting soil – no reclaimed or other wastewaters                                 |
| <input type="checkbox"/> Waters used to control dust – no reclaimed or other wastewaters                             | <input type="checkbox"/> Water used for drilling and coring (e.g., for evaluation of foundation materials) – uncontaminated |
| <input type="checkbox"/> Potable water line flushing – ephemeral receiving waters                                    | <input type="checkbox"/> Uncontaminated water from dewatering operations/ foundations                                       |
| <input type="checkbox"/> Routine external building wash-down – no detergents   | Other, specify _____  |
| <input type="checkbox"/> Pavement wash waters – no spills or leaks of toxic or hazardous materials and no detergents | _____   |
| <input type="checkbox"/> Uncontaminated air conditioning or compressor condensate                                    | _____   |
| <input type="checkbox"/> Uncontaminated groundwater  | _____   |

### III. DISCHARGE LOCATION

Provide the latitude/longitude of the construction site at the point nearest the receiving water (natural water course):

Latitude: \_\_\_\_\_ Longitude: \_\_\_\_\_  
(Degrees, minutes, seconds) (Degrees, minutes, seconds)

- Identify the closest receiving water to construction site (e.g., dry washes, named waterbodies and unnamed waterbodies) (See Item III in the Instructions): \_\_\_\_\_
- Is there a potential for any discharges from the site to enter a municipal storm sewer system (MS4), canal, or a privately-owned conveyance?  YES  NO  
If yes, enter name of MS4, canal, or conveyance owner: \_\_\_\_\_

### IV. PERMIT AUTHORIZATION CANNOT OCCUR UNTIL A STORMWATER POLLUTION PREVENTION PLAN (SWPPP) HAS BEEN DEVELOPED AND IMPLEMENTED ACCORDING TO THE TERMS OF THE GENERAL PERMIT

- I confirm that a SWPPP meeting the requirements of the general permit has been developed and will be implemented prior to commencing construction activities at this site and will be located at the site during construction activities. If this is a late application, a SWPPP has been developed and implemented prior to this submittal. (ADEQ reserves the right to take enforcement action for any unpermitted discharge or permit noncompliance that occurs between the time construction commenced and discharge authorization is granted.)
- When construction activities are not actively underway, the SWPPP will be available at the following location: (See Part III.G.2 in the general permit.) \_\_\_\_\_
- Name of person to contact for SWPPP access: \_\_\_\_\_
- Telephone number of SWPPP contact: \_\_\_\_\_
- This project may discharge within 1/4 mile of an impaired or unique waterbody:  YES  NO  
If yes, a copy of my SWPPP is enclosed with this application.

### V. CERTIFICATION BY AUTHORIZED SIGNATORY (See Part VIII.J.1 in the general permit)

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision, as applicable, in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage this system, or those persons directly responsible for gathering the information, I believe the information submitted is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. In addition, as the operator, I certify that I have reviewed and intend to comply with all terms and conditions stipulated in General Permit No. AZG-2008-001 issued by the Director.

Printed Name: \_\_\_\_\_ Title: \_\_\_\_\_  
Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Business Name: \_\_\_\_\_  
Address: \_\_\_\_\_  
City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ Phone: \_\_\_\_\_

September 2010

## #2 – Lack of Adequate BMPs

# Best Management Practices

A Best Management Practice or “BMP” is any structure, device or management tool that prevents pollutants from entering storm water, or removes pollutants from storm water once present



# Erosion Control BMPs



**Not water!**

- *Commonly called “stabilization practices”*
- *Keeps sediment in place*
- *Soil crusting from water application is not an effective or acceptable erosion control/stabilization BMP!!!*

# Sediment Control BMPs



- *Captures sediment that is moved by storm water before it leaves site*
- *Usually these are your perimeter controls*
- *Examples: silt fencing, fiber rolls, sediment basins*



Erosion

Silt fencing stops



**Maintain BMPs!**











# WASHES ARE FOR WATER!



Not for silt fences!

# Perimeter Control BMPs needed



# Storm Drain Inlet Protection

Good!



Bad!



# #3 - Trackout



Dirt in the street  
is a discharge  
to the Municipal  
Separate Storm  
Sewer System  
(MS4)





ALL VISITORS  
MUST SIGN  
IN AT THE  
GATE





ROAD  
CLOSED



# #4 – Inadequate SWPPPs


# Storm Water Pollution Prevention Plan

- Is a site-specific, written document that identifies potential sources of storm water pollution
- Describes practices to reduce pollutants in storm water discharges from the site
- Identifies the procedures the operator will implement to comply with the permit

# When in doubt, read the permit!

Part III explains what is needed in your SWPPP!

Permit No. AZG2008-001



STATE OF ARIZONA  
DEPARTMENT OF ENVIRONMENTAL QUALITY  
WATER QUALITY DIVISION  
PHOENIX, ARIZONA 85007

**ARIZONA POLLUTANT DISCHARGE ELIMINATION SYSTEM  
GENERAL PERMIT FOR DISCHARGE FROM CONSTRUCTION ACTIVITIES  
TO WATERS OF THE UNITED STATES**

This permit provides authorization to discharge under the Arizona Pollutant Discharge Elimination System (AZPDES) program, in compliance with the provisions of the Arizona Revised Statutes, Title 49, Chapter 2, Article 3.1, the Arizona Administrative Code (A.C.C.), Title 18, Chapter 9, Articles 9 and 10, and the Clean Water Act as amended (33 U.S.C. 1251 et seq.).

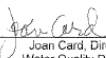
This general permit specifically authorizes only discharges from construction activities in Arizona by those owners and operators who meet the eligibility requirements of this permit, who submit a complete Notice of Intent (NOI) in accordance with Part II of this general permit and who comply with the general permit requirements and conditions. All discharges authorized by this general permit shall be consistent with the terms and conditions of this general permit. Permit coverage is required from the "commencement of construction activities" until "final stabilization", as these terms are defined in this permit.

This general permit becomes effective on February 29, 2008.

This general permit and the authorization to discharge expire at midnight, February 28, 2013.

Issued this 28<sup>th</sup> day of February 2008.

ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY



Joan Card, Director  
Water Quality Division

# 2008 CGP SWPPP Checklist

## 2008 Construction General Permit SWPPP Guidance Checklist



This optional checklist is provided to assist owners and operators in preparing their AZPDES Stormwater Pollution Prevention Plan (SWPPP) to meet the requirements of Arizona's 2008 Construction General Permit (AZG2008-001). The "Descriptions" provided below do not necessarily reflect the exact wording used in the permit, rather these are stated in simplified language to provide additional guidance. (Note if any inadvertent conflict exists between this document and the permit, the permit language prevails). The "Permit Citation" column shows you where each particular requirement is found in the 2008 CGP. Use the "Location" column to note the page where the requirement is addressed in your SWPPP. Please leave the "For ADEQ Use Only" column blank. Using this SWPPP checklist will help you ensure that all the permit requirements are addressed in your SWPPP and will also assist the Department in conducting a more efficient review of your SWPPP if it is required to be submitted.

Please note that your SWPPP does not have to follow the format of this checklist; the purpose of this checklist is only to ensure that your SWPPP contains all required components. While this checklist is intended for use in preparing your initial SWPPP, your SWPPP is a "living" document and it is important that it be updated to document changes in your project, best management practices (BMPs), inspections, and other pertinent information.

Permit Citation	Description	Location in SWPPP & Notes	For ADEQ Use Only
<b>OPERATOR RESPONSIBILITIES</b>			
Part III.A.2.d	Identify who is responsible for on-site SWPPP implementation		
Part III.B.2.a	Indicate or show the areas of the project where the operator has control over project specifications, including the ability to make changes in specifications		
Part III.B.2.a	Provide name(s) of the person(s) who have day-to-day control over construction plans and specifications		
Part III.B.2.b	Identify who is responsible for installing, implementing, and maintaining the BMPs in the plan		
Part III.B.2.b	Identify or show the areas of the project where each operator has control over day-to-day activities		
Part III.B.2.b	Provide name(s) of the person(s) having control over project specifications, including the ability to make changes in specifications		
Part III.C.1	Provide the name and contact information for all operators and indicate the areas of the project each operator controls		
<b>PROJECT DESCRIPTION</b>			
Part III.A.2.a	Identify all potential sources of pollutants/pollution from construction activities that could possibly contact stormwater		
Part III.C.2	Describe the construction activity (what is being built, what is being disturbed, how long it is expected to take, etc.)		
Part III.C.2.a	Describe the project and what it will be used for when completed (after Notice of Termination (NOT) is filed)		

- ADEQ has created a SWPPP checklist to assist you
- Go to [azdeq.gov](http://azdeq.gov) and at search bar type in:  
**construction checklist**

# #5 – Spilled concrete







Implement  
Good  
Housekeeping  
BMPs!







# Designated concrete washout stations

- As the operator, you should provide a designated concrete washout station, and preferably a signed one to encourage usage
- Washout stations should be lined
- Washout stations can be a source of pollutants from leaks, tears and spills so inspect them regularly
- Dispose of the concrete properly once your containment area is filled up

# Good examples of concrete washout stations





SALTAN AZ ROOF SYS  
ROOF TILE ONLY  
SOLID TILE DE TIKHI

#6 – Routine inspections not  
routine



# According to the 2008 CGP...

- Site inspections must be performed every two weeks
- or within 24-hrs of a rain event if the site receives a ½-inch or more of rain
- Must be performed by qualified personnel, that is, someone knowledgeable about BMPs and storm water management
- An inspection report for every inspection must be kept in chronological order in the SWPPP

# WILL THIS HELP?

AZCON: \_\_\_\_\_ Inspection Date: \_\_\_\_\_

## Stormwater Construction Site Inspection Report

General Information			
Project Name			
Location			
AZCON number			
Date of Inspection		Start Time:	End time:
Inspector's Name(s)			
Inspector's Title(s)			
Inspector's Qualifications: (must attach to this report or indicate the portion of the SWPPP that documents the qualifications of the inspector by name)			
Describe present phase of construction			
Type of Inspection <input type="checkbox"/> Weekly <input type="checkbox"/> Bi-weekly <input type="checkbox"/> Monthly <input type="checkbox"/> Pre-storm event <input type="checkbox"/> During storm event <input type="checkbox"/> Post-storm event			
Weather Information			
Has it rained since the last inspection? <input type="checkbox"/> Yes <input type="checkbox"/> No			
Weather information/Time Elapsed since last inspection: Storm Start Date & Time:      Storm Duration (hrs):      Approximate Rainfall (in):			
Weather at time of this inspection?			
Do you suspect that discharges may have occurred since the last inspection? <input type="checkbox"/> Yes <input type="checkbox"/> No			
Are there any discharges at the time of inspection? <input type="checkbox"/> Yes <input type="checkbox"/> No			
If yes, provide location(s) and a description of stormwater discharged from the site (presence of suspended sediment, turbid water, discoloration, and/or oil sheen)			
Non-Stormwater Discharges			
Identify all non-stormwater discharges (i.e. water, other than stormwater, directed to a watercourse, storm drain, or off of the construction site):			

A sample inspection report can be found in Appendix A

**#7 – No stabilization**

## Part IV.B.2 states...

“The operator must provide temporary stabilization, or initiate permanent stabilization, of disturbed areas within 14 calendar days of the most recent land disturbance in areas where construction or support activities have temporarily been suspended or have permanently ceased...”













#8 – Site not posted

**#9 – No sediment control for  
temporary stockpiles**



No effective  
sediment controls

# #10 – Notice of Termination (NOT) Confusion

# Final Stabilization

- All soil disturbing activities are complete
- All construction materials, waste, and temporary BMPs have been removed and properly disposed of
- A uniform perennial vegetative cover with a density of 70% of the native background vegetative cover for the area is in place on all unpaved area and areas not covered by permanent structures

# Final Stabilization

- For individual lots in residential construction final stabilization means that the homebuilder has completed final stabilization or has established temporary stabilization, including perimeter controls

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