The AZPDES & Construction Sites

Greg Wise
Environmental Program Specialist
Arizona Department of Environmental Quality
(602) 771-2227
gw2@azdeq.gov
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

---

**Notice of Intent (NOI)**

**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, 5415-1, Phoenix, Arizona 85001
FAX: (602) 771-4528

---

**I. OPERATOR (Applicant) INFORMATION**

<table>
<thead>
<tr>
<th>Phone:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Fax:</td>
<td></td>
</tr>
</tbody>
</table>

**Operator’s Business Name:**

<p>| |</p>
<table>
<thead>
<tr>
<th></th>
</tr>
</thead>
</table>

**Operator’s Mailing Address:**

<table>
<thead>
<tr>
<th>City:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>State:</td>
<td></td>
</tr>
<tr>
<td>Zip:</td>
<td></td>
</tr>
</tbody>
</table>

**BUSINESS STATUS:** Federal [ ] State [ ] Other Public [ ] Private [ ]

---

**II. CONSTRUCTION SITE INFORMATION**

<table>
<thead>
<tr>
<th>Project Name:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Phone:</td>
<td></td>
</tr>
</tbody>
</table>

| County Parcel No. (at main entrance): |  |

**Type of Project (subdivision, commercial, road, pipeline, utility, ADOT project, etc.):**

**If subdivision, has state or local subdivision approval been obtained?**

<table>
<thead>
<tr>
<th>YES</th>
<th>NO</th>
</tr>
</thead>
</table>

**If yes, provide Subdivision Certificate of Approval number:**

<p>| |</p>
<table>
<thead>
<tr>
<th></th>
</tr>
</thead>
</table>

**Is the project part of a larger plan of development?**

<table>
<thead>
<tr>
<th>YES</th>
<th>NO</th>
</tr>
</thead>
</table>

| See Item II in the Instructions |

**Does the project have or need other environmental permits or approvals? If so, list and provide the permit/approval number (attached sheet, if necessary):**

<p>| |</p>
<table>
<thead>
<tr>
<th></th>
</tr>
</thead>
</table>

**Site physical location (include address, if applicable, or directions from nearest municipality):**

<table>
<thead>
<tr>
<th>City:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>State:</td>
<td></td>
</tr>
<tr>
<td>Zip:</td>
<td></td>
</tr>
</tbody>
</table>

---

**III. DISCHARGE LOCATION**

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

<table>
<thead>
<tr>
<th>Latitude:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Longitude:</td>
<td></td>
</tr>
</tbody>
</table>

**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?**

<table>
<thead>
<tr>
<th>YES</th>
<th>NO</th>
</tr>
</thead>
</table>

| 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 unauthorized discharge or permit noncompliance that occurs between the time construction commences 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: |

**If yes, a copy of my SWPPP is enclosed with this application:**

---

**V. CERTIFICATION BY AUTHORIZED SIGNATORY**

| If necessary, I certify under penalty of perjury 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 persons or persons who manage this system, or those persons directly responsible for gathering the information, the persons submitting, or transmitting it, has been collected and to the best of my knowledge, based on the best information available, 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 Department.) |

**Printed Name:**

<table>
<thead>
<tr>
<th>Title</th>
</tr>
</thead>
</table>

**Date:**

---

**Signature:**

| Business Name: |
| Address: |
| City: |  |
| State: |  |
| Zip:  |  |

**September 2010**
#2 – Lack of Adequate BMPs
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

- 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

Bad!

Good!

Bad!
#3 - Trackout
Dirt in the street is a discharge to the Municipal Separate Storm Sewer System (MS4)
#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 it doubt, read the permit!

Part III explains what is needed in your SWPPP!
ADEQ has created a SWPPP checklist to assist you.

Go to 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
#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?

A sample inspection report can be found in the permit in Appendix A.
#7 – No stabilization
Part IV.B.2 states…

“The operator must provide temporary stabilization, or initiate permanent stabilization, of disturbed areas with 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.
The AZPDES & Construction Sites

Greg Wise
Environmental Program Specialist
Arizona Department of Environmental Quality
(602) 771-2227
gw2@azdeq.gov