NOI SUPPLEMENT FOR A TYPE 2.01 GENERAL PERMIT

FOR DRYWELLS THAT DRAIN AREAS WHERE HAZARDOUS SUBSTANCES ARE USED, STORED, LOADED OR TREATED

OVERVIEW:

This General Permit covers drywells that drain areas where hazardous substances (including products, wastes, fuels, etc.) are stored, loaded, treated or used. Arizona Administrative Code R18-9-C301 requires certain design and construction, location restrictions, and implementation of a Best Management Practices Plan, all designed to ensure that no fluids other than storm water enter the drywell. If a drywell located in such an area is not designed, constructed, and operated according to these rules, the owner or operator must obtain an individual APP.

SUPPLEMENTAL APPLICATION REQUIREMENTS:

1 Notice of Intent to Discharge (NOI) (Check Box if Complete)

☐ I have completed the form titled "Notice of Intent to Discharge for a Type 2 General Permit".

2 General Drywell Information

A) Drywell Identifier _____

B) Drywell Registration Number (unless a registration form submitted with this application) _____

C) Status (Check one) ☐ Active ☐ Proposed

D) General physical location of the drywell

3 Drywell Questions

A) Does the drywell currently receive discharges other than storm water? ☐ Yes ☐ No (If yes then explain)

B) Is there any indication that the drywell may have ever received discharges other than storm water in the past?
☐ Yes ☐ No (If yes then explain)

4 Sampling Information

A) Was the drywell proposed for coverage under this general permit constructed more than 90 days before the date of this Notice of Intent to Discharge? ☐ Yes ☐ No

B) If you answered "yes" to item 4(A), has a registered professional engineer or geologist provided a signed, dated, and sealed certification concluding one of the following (indicate which one): ☐ Yes ☐ No

☐ Analytical results from sampling sediment from the drywell settling chamber sediment for pollutants reasonably expected to be present do not exceed either the residential soil remediation levels or the groundwater protection levels;

☐ The settling chamber does not contain sediment that could be used to characterize and compare results to soil remediation levels and the chamber has not been cleaned out within the last six months;

☐ Neither a soil remediation level nor groundwater protection level is exceeded in soil samples collected from a boring drilled within 5 feet of the drywell and sampled in 5 foot increments starting at a depth of 5 feet below ground surface and extending to a depth of 10 feet below the base of the drywell injection pipe; or

☐ If coarse grained lithology prevents the collection of soil samples in a soil boring, a groundwater investigation demonstrates compliance with Aquifer Water Quality Standards in groundwater at the applicable point of compliance.

5 Design Requirements Information

A) Date of drywell installed _____

B) Were perched water tables encountered in drilling the drywell properly sealed per 12 A.A.C. 15, Article 8?
☐ N/A (no perched tables) ☐ Yes. Depth of perched table(s) below ground surface _____ feet.

C) What is the depth, in feet, to groundwater below the ground surface? _____

D) Is the drywell located 100 feet or more from a water supply well? ☐ Yes ☐ No
If no, what is the distance to the nearest water supply well? _____

E) Is the bottom of the drywell injection pipe 10 feet or more above the groundwater table? ☐ Yes ☐ No
If no, was the borehole backfilled to at least 10 feet above the water table per 12 A.A.C. 15, Article 8? ☐ Yes
If no, what is the depth to the groundwater from the drywell injection pipe? _____

F) Is the drywell located 20 feet or more from an underground storage tank? ☐ Yes ☐ No
If no, what is the distance to the nearest underground storage tank? _____

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G) The latitude and longitude of the drywell was recorded using a Global Positioning System device or site survey?
☐ Yes ☐ No

H) The drywell was clearly marked "Stormwater Only" on the surface grate or manhole cover? ☐ Yes ☐ No

I) Has a current site plan showing the location of the drywell, the latitude and longitude coordinates of the drywell, surface drainage patterns and the location of floor drains and French drains that are plumbed to the drywell or are used to alter drainage patterns, water supply wells, monitor wells, underground storage tanks, and chemical and waste usage, storage, loading, and treatment areas been provided? ☐ Yes ☐ No

J) Have design plans showing details of drywell design and drainage design, including one or a combination of flow control and or/ pretreatment technologies described in item 6 been provided? ☐ Yes ☐ No

K) Has a narrative description of the drywell addressed under this permit been provided. The description must include the date of installation, drywell design and construction, and the location with respect to all hazardous substance storage or handling areas. A brief summary of the nature of the business(es) conducted at the drywell location must also be provided. (Attach boring logs if completed, and additional pages as necessary to fully describe the drywell.) ☐ Yes ☐ No

6 Flow Control and Pretreatment Devices

Does the drywell design or drainage area design includes a method to remove, intercept, or collect pollutants that may be present at the operation with the potential to reach the drywell. ☐ Yes ☐ No

Note: A flow control or pretreatment device, such as an interceptor, sump, or another device or structure designed to remove, intercept, or collect pollutants may be used to meet the requirements of this general permit. A list of flow control or pretreatment devices for petroleum based constituents is listed under Arizona Administrative Code R18-9-C304(D)(1) or (2).

7 Best Management Practices Plan (Check Box)

Has a copy of the Best Management Practices Plan been provided which includes the items listed below? ☐ Yes ☐ No

A) A site plan showing surface drainage patterns and the location of floor drains, water supply, monitor wells, underground storage tanks, and chemical and waste usage, storage, loading, and treatment areas. The site plan shall show surface grading details designed to prevent drainage and spills of hazardous substances from leaving the drainage area and entering the drywell;

B) A design plan showing details of drywell design and drainage design, including flow control or pretreatment devices, such as interceptors, sumps, and other devices and structures designed to remove, intercept, and collect any pollutant that may be present at the operation with the potential to reach the drywell;

C) Procedures to prevent and contain spills and minimize discharges to the drywell;

D) Operational practices that include routine inspection and maintenance of the drywell and associated pretreatment and flow-control devices, periodic inspection of waste storage facilities, and proper handling of hazardous substances to prevent discharges to the drywell. Routine inspection and maintenance shall include:
   i) Replacing the adsorbent material in the skimmers, if installed, when the adsorbent capacity is reached;
   ii) Maintaining valves and associated piping for a drywell injection and treatment system;
   iii) Maintaining magnetic caps and mats, if installed;
   iv) Removing sludge from the oil/water separator, if installed, and replacing the filtration or adsorption material to maintain treatment capacity;
   v) Removing sediment from the catch basin inlet filters and retention basin to maintain required storage capacity; and

E) Procedures for periodic employee training on practices required by the Best Management Practices Plan specific to the drywell and prevention of unauthorized discharges.