

**CERTIFICATION TO DISCHARGE UNDER CDPS GENERAL PERMIT COG603000
SUBTERRANEAN DEWATERING/WELLS OPERATIONS**



**Colorado Department
of Public Health
and Environment**

Certification Number: **COG603179**

This Certification to Discharge specifically authorizes:

Denver Zoological Foundation
to discharge from the facility identified as

Denver Zoological Foundation
to: **South Platte River**

Facility Located at: 2300 Steele St Denver CO 80205 Denver County
Facility Location Center point-- Latitude 39.45, Longitude -104.549

Discharge Outfall(s) to Surface Water	Outfall(s) Lat Long	Discharge Outfall(s) Description	Receiving Stream	GPM
Outfall Number 001-A	39.749 -104.953	Discharge from under drains is collected and pumped to the storm sewer and ultimately discharges to the South Platte River	South Platte River	200

*All discharges must comply with the lawful requirements of federal agencies municipalities, counties, drainage districts and other local agencies regarding any discharges to storm drain systems, conveyances, or other water courses under their jurisdiction.

*Permit Limitations and Monitoring Requirements apply as outlined in the Permit for **Continuous Discharges (i.e. Subsurface Structure or Foundation Dewatering) to Surface Water***

Parameter	Units	Discharge Limitations Maximum Concentrations			Monitoring Frequency	Sample Type
		30-Day Average	7-Day Average	Daily Max.		
APPLICABLE TO ALL DISCHARGES AS LISTED IN GENERAL PERMIT						
pH, (Minimum-Maximum) 00400	s.u.	NA	NA	6.5-9.0	Quarterly	In-situ
Total Suspended Solids, 00530	mg/l	30	45	NA	Quarterly	Grab
Oil and Grease, 03582	mg/l	NA	NA	10*	Quarterly	Grab*
Flow,1 50050	GPM	NA	NA	400	Quarterly	Instantaneous or Continuous
Oil and Grease Visual 84066		NA	NA	NA	Quarterly	Visual
SITE SPECIFIC PARAMETERS						
Arsenic (Total Recoverable) , 00978	ug/l	Report	NA	Report	Quarterly	Grab

1 The chronic flow limit will be equal to twice the maximum flow rate provided in the permit application or subsequent modifications.

** If a visible sheen is observed, a grab sample shall be collected and analyzed for oil and grease.*

Certification is issued 09/05/2013 Effective 10/1/2013 Certification Expires: 9/30/2018

This certification under the permit requires that specific actions be performed at designated times. The certification holder is legally obligated to comply with all terms and conditions of the permit.

Signed,

Nathan Moore
Construction, MS4, & Pretreatment Unit Manager
Water Quality Control Division

STATE OF COLORADO

John W. Hickenlooper, Governor
Karin McGowan
Interim Executive Director



Colorado Department
of Public Health
and Environment

Dedicated to protecting and improving the health and environment of the people of Colorado

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Located in Glendale, Colorado (303) 692-3090

<http://www.cdphe.state.co.us>

September 5, 2013

George Pond, VP
Denver Zoological Foundation
2300 Steele St
Denver, CO 80205

RE: Certification, Colorado Discharge Permit System - Subterranean Dewatering/Wells Operations
Permit Number COG603000 Certification Number: COG603179

Dear Mr. Pond;

Enclosed please find a copy of the permit certification, which was issued under the Colorado Water Quality Control Act.
Please read the enclosed permit and certification.

The Water Quality Control Division (the Division) has reviewed the application submitted for the Denver Zoological Foundation facility and determined that it qualifies for coverage under the **CDPS General Permit for General Permit for Subterranean Dewatering/Wells** (the permit).

Discharge Specific Information

The discharge is to South Platte River within Segment 14 of the Upper South Platte River Sub-basin, South Platte River Basin, found in the Classifications and Numeric Standards for the South Platte River Basin (Regulation No. 38) (**COSPUS14**). Segment 14 is Reviewable, and is classified for the following beneficial uses: Aquatic Life, Class 1 Warm; Recreation Class E; Water Supply; and Agriculture.

Basis for Site Specific Parameters

- The flow limitation(s) for this facility was based on twice the maximum flow rate reported on previously submitted Discharge Monitoring Reports.
- The discharge being authorized under the reissued permit meets the conditions in Part I.E.2.c for a reduction to quarterly monitoring. This determination is based on review of quarterly discharge monitoring reports submitted under the previous permit for April 2012 through April 2013. The quarterly report for May 2013 through July 2013 may also have been included in the review if available at the time of evaluation.
- Segment 14 of the **Upper South Platte** Sub-basin, South Platte River Basin is on the 303(d) list as impaired for Arsenic. Since Arsenic has the potential to be in the dewatering discharge, sampling and reporting for Arsenic is required.

General Information

- **Permit Action Fees:** The Annual Fee for this certification is \$630 [Category 26, Subcategory 2 Minimal Industrial Discharge per CRS 25-8-502] and is invoiced every July. Do Not Pay This Now. The initial invoice will be mailed to the legal contact.
- **Changes to the Certification:** Any changes that need to be made to the certification page – changes in outfalls, monitoring requirements, etc., must be submitted using the "Permit and Certification Modification form" available on our website: coloradowaterpermits.com, and signed by the legal contact.

- **Sampling Requirements:** Sampling shall occur at the frequency established in the permit certification at a point after treatment, or after the implementation of any Best Management Practices (BMPs) for each discharge location (outfall). If BMPs or treatment are not implemented, sampling shall occur where the discharge leaves control of the permittee, and prior to entering the receiving stream or prior to discharge to land. Samples must be representative of what is entering the receiving stream. A minimum of one sample must be collected for discharges lasting less than one week.
- **Discharge Monitoring Reports (DMRs):** DMRs will be mailed out within the next month. DMRs for all outfalls must be submitted **quarterly** as long as the certification is in effect. DMRs must be submitted for each outfall even if there was not a discharge from the outfall in given month. For each outfall where no discharge occurs in a given month, the permittee shall mark 'No Discharge' on the DMR form(s). The permittee shall provide the Division with any additional monitoring data on the permitted discharge collected for entities other than the Division. If forms have not been received, please contact the Division at 303-692-3517.

The Division now has the ability to allow facility's to submit their DMRs electronically. For more information, please call the NetDMR team at 303-691-4046 or CDPH.WQNetDMRHelp@state.co.us

- **Termination requirements:** This certification to discharge is effective long term, even though the subterranean and well development discharge is only expected to be temporary. For termination of permit coverage, the permittee must initiate this by sending the "CDPS Permits and Authorization Termination Form." This form is also available on our web site and must be signed by the legal contact.
- **Groundwater Contamination:** If at any time the permittee becomes aware that at the permitted outfall, pollutant concentrations for an effluent parameter not subject to an effluent limitation of the permit certification exceeds any applicable water quality standard for the receiving water, the permittee shall halt or reduce any activity if necessary to prevent the discharge of an effluent), at the permitted outfall, in concentrations which exceed the applicable water quality standards for the receiving water; and mail a written report to the Division containing all relevant monitoring data and the information consistent with the noncompliance notification in Part II.A.4(a) of the permit.

• **Chemical Usage**

The permittee did not specify any chemicals for use in waters that may be discharged. On this basis, no chemicals are approved under this permit. Prior to use of any applicable chemical, the permittee must submit a request for approval which includes the most current Material Safety Data Sheet (MSDS) for that chemical. Until approved, use of a chemical in waters that may be discharged could result in discharge of pollutants not authorized under the permit.

• **Analytical and Sampling Methods for Monitoring:**

The permittee shall install, calibrate, use and maintain monitoring methods and equipment, including biological and indicated pollutant monitoring methods. All sampling shall be performed by the permittee according to specified methods in 40 C.F.R. Part 136; methods approved by EPA pursuant to 40 C.F.R. Part 136; or methods approved by the Division, in the absence of a method specified in or approved pursuant to 40 C.F.R. Part 136.

The analytical method and PQL selected for a parameter shall be the one that can measure at or below the numeric effluent limit.

If all specified analytical methods and corresponding PQLs are greater than the numeric effluent limit, then the analytical method with the lowest PQL shall be used. If the permit contains a monitoring or report only requirement, the analytical method with the lowest PQL shall be used.

When the analytical method which complies with the above requirements has a PQL greater than the permit limit, and the result of the analyses is non-detect, the permittee shall report "BDL" on the DMR. Such reports will not be considered as violations of the permit limit, as long as the lowest available PQL is used for the analysis. When the analytical method which complies with the above requirements has a PQL that is equal to or less than the permit limitation, "< X" (where X = the actual PQL used) shall be reported on the DMR. For parameters that have only a monitoring or report only limitation, "< X" (where X = the actual PQL used) shall be reported on the DMR.

The current lowest PQLs for specific parameters, as determined by the State Laboratory (November 2008) are provided below for reference. If the analytical method cannot achieve a PQL that is less than or equal to the permit limit, then the method, or a more precise method, must achieve a PQL that is less than or equal to the PQL in the table below. **For a listing of the PQLs for organic parameters, please refer to the Division's Practical Quantitation Limitation Guidance**

Document, July 2008. A link is provided:

<http://www.cdphe.state.co.us/wq/permitsunit/policyguidancefactsheets/policyandguidance/PQLGuidance.pdf>

Future requirements for metal PQLs will be contained in the Division's Practical Quantitation Limitation Guidance Document for Metals.

<u>Parameter</u>	<u>Practical Quantitation Limits, µg/l</u>
Arsenic	1 µg/l

Certification Records Information: The following information is what the Division records show for this certification. For any changes to Contacts – Legal, Local, Billing, or DMR – a “Notice of Change of Contacts form” must be submitted to the Division. This form is also available on our web site and must be signed by the legal contact.

Facility: Denver Zoological Foundation

County: Denver

Industrial Activities: Foundation Dewatering

SIC Code: 1799

Legal Contact *Receives all legal documentation, pertaining to the permit certification. [including invoice; is contacted for any questions relating to the facility; and receives DMRs.]*

George Pond, VP
Denver Zoological Foundation
2300 Steele St
Denver, CO 80205

Phone number:303-376-4900
Email: gpond@denverzoo.org

Facility Contact *Contacted for general inquiries regarding the facility*

George Pond, VP

Phone number:303-376-4900
Email: gpond@denverzoo.org

Billing Contact

Chris Kelner, VP Ed Svcs
Kiewit Building Group Inc
7200 S Alton Way Ste A300
Englewood, CO 80112

Phone number: 303-930-9027
Email: chris.kelner@kiewit.com

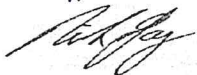
DMR Contact

George Pond, VP
Denver Zoological Foundation Inc
2300 Steele St
Denver, CO 80205

Phone number:303-376-4900
Email: gpond@denverzoo.org

If you have any other questions please contact me at 303-692-3575.

Sincerely,



Rik Gay, Permit Writer
WATER QUALITY CONTROL DIVISION

Enclosures: Certification page; General Permit

xc: Regional Council of Government
Denver County, Local County Health Department
D.E., Technical Services Unit, WQCD
Permit File

/dkj
cdw cert 2010

