

GENERAL INFORMATION

1. Application to obtain [A.R.S. 49-241]:

☐ New APP (*skip to item 2*)

☐ Temporary APP (*skip to item 2*)

☒ Amendment to: INV #: 217930

LTF#: 90620

Select
Amendment
Type

☐ Significant

☐ Other

☒ Minor

Permit has reclaimed water: ☒ No ☐ Yes, Current classification: _____

Permit has an AZPDES: ☒ No ☐ Yes, Permit #: _____

- Amendment is for Copper World, LLC OR
Request and justification for the amendment type is included in Report Section/Appendix: _____
- An annotated copy, with the requested permit edits, is included with the application?
☒ NO ☐ Yes, included: _____
(Identify specific Attachment location and/or Appendix #)

2. Applicant Name [A.A.C. R18-1-503(1) - Definitions]: (RESPONSIBLE FOR ALL PERMIT CONDITIONS)

Copper World, LLC

Company/Government/Entity Name

[ACC Entity ID](#) or N/A

3. Applicant Address:

Mailing Address: 5285 E. Williams Circle, Suite 2010. Tucson, Arizona 85711

Billing Address: 5285 E. Williams Circle, Suite 2010. Tucson, Arizona 85711

4. Applicant Certification Statement [A.A.C. R18-9-A201(B)(7)]:

I certify under penalty of law that this Aquifer Protection Permit application and all attachments were prepared under my direction or authorization and all information is, to the best of my knowledge, true, accurate and complete. I also certify that the APP discharging facilities described in this form is or will be designed, constructed, operated, and/or closed in accordance with the terms and conditions the Aquifer Protection Permit and applicable requirements of Arizona Revised Statutes Title 49, Chapter 2, and Arizona Administrative Code Title 18, Chapter 9 regarding aquifer protection permits. I am aware that there are significant penalties for submitting false information, including permit revocation as well as the possibility of fine and imprisonment for knowing violations.

Authorized by:

Warren Flannery

Signature

June 25, 2026

Date


Warren Flannery (Jun 24 - 2026 18:24:38 PDT)

Printed Name

Vice President

Title

warren.flannery@hudbayminerals.com

(416)-814-4383

Email Address

Phone #

5. Authorized Agent [A.A.C. R18-1-503(A)(3)] (Optional, see Definitions):

Firm Name: Copper World, LLC
Contact Person (Name/Title): Teague J. Raica, Senior Manager - Environment & Permitting
Mailing Address: 5285 E. Williams Circle, Suite 2010. Tucson, Arizona 85711
Email Address: teague.raica@hudsonbayminerals.com
Phone Number: (520)-965-7235

6. Facility Operator

Company/Government/Entity Name: Copper World, LLC
Contact Person (Name/Title): Mark Fullenwider, General Manager - CWP
Mailing Address: 5285 E. Williams Circle, Suite 2010. Tucson, Arizona 85711
Email Address: mark.fullenwider@hudsonbayminerals.com
Phone Number: (520)-965-7235

7. Contact Person for Facility Emergencies [A.A.C. R18-9-A202(A)(11)]

Name: Teague J. Raica Title: Environment & Permitting
Mailing Address: 5285 E. Williams Circle, Suite 2010. Tucson, Arizona 85711
Email Address: teague.raica@hudsonbayminerals.com
Phone: N/A (520)-965-7235 N/A
Landline *Cell/Mobile* *SCADA*

8. Contact Person(s) for Permit Compliance Schedule Items Notifications (Optional)

ADEQ has developed a tool to track compliance schedule items (CSIs) 30 and 5 days before they are due, and 5 days after they become overdue. In addition to the applicant, the person(s) identified will receive email notifications.

Name(s): Warren Flannery Title: Vice President
Email Address(es): warren.flannery@hudsonbayminerals.com

9. Landowner (if different than applicant)

Company/Government/Entity Name: Copper World, LLC
Contact Person Name: Warren Flannery
Mailing Address: 5285 E. Williams Circle, Suite 2010. Tucson, Arizona 85711
Email Address: warren.flannery@hudsonbayminerals.com
Phone Number: (416)-814-4383

10. Facility Information – Legal Description [A.A.C. R18-1-503(2), A.A.C. R18-9-201(B)(1)]

Facility Name: Copper World, LLC

Address: 5285 E. Williams Circle, Suite 2010. Tucson, AZ 85711 County: Pima

Latitude: 31 ° 51 ' 43.2 "

Coordinate System used for Latitude and Longitude:

Longitude: 110 ° 46 ' 26.4 "

☐ NAD27 ☒ NAD83

Township T18S Range R15E Section(s) 10,13,14,15,22,23,24,25,27,36

Driving directions from a major intersection: T18S R16E Sections: 19, 30, 31

Sahuarita Rd. and I-10, Drive E. 3 miles. Turn Left, S.to Santa Rita Rd. for 11.5 miles.

11. Expected operational life of the Facility [A.A.C. R18-9-A201(B)(1)]

The operational life of the facility is 15 Years

12. Facility Notices of Violation, Consent Orders or Compliance Orders [A.A.C. R18-9-A202(A)(11)]

In the last 2 years: ☒ No ☐ Yes, included in Report Section/Appendix: _____

13. a) For mining facilities: Discharge/Process flow per day: >10,000 (gallons)

b) For sewage/wastewater treatment facilities: Design flow* – the average daily flow over a calendar year calculated as the sum of all influent flows to the facility [A.A.C. R18-9-B202(9)(a)]. If discharge is used, all discharges must be metered and an explanation for usage provided [A.A.C. R18-14-104, A.R.S. 49-242]: ☐ gallons per day (gpd) OR ☐ million gallons per day (mgd)

** If permit is to be phased, include design flow for each phase in the supporting application documents.*

14. All other federal or state environmental permits issued to the Applicant for the Facility or site, including type and identification number [A.A.C. R18-9-A201(B)(1)].

Included in Report Section /Appendix: Provided in original Application.

15. Are you required to file a certificate of disclosure according to A.R.S. §49-109?

☐ Yes, included in Report Section/Appendix _____

☒ No, not required

16. Evidence that the facility complies with applicable municipal or county zoning ordinances, codes and regulations [A.A.C. R18-9-A201(B)(3)].

Included in Report Section/Appendix Provided in original Application.

17. Evidence of technical capability to carry out the terms of the permit (design, construction, and operation) including licenses, certifications, training, and work experience [A.A.C. R18-9-A202(B)].

Included in Report Section/Appendix Provided in original Application.

Cost Estimates and Financial Assurance Demonstration [A.A.C. R18-9-A201(B)(5) and R18-9-A203]

- If **“YES” to ANY** item (a-f) requires completion of item 18 (Cost Estimates) and item 19 (Financial Assurance Demonstration).
- If **“NO” to ALL** items (a-f), skip to item 20 (Technical Information).

This application is for a(n):

- | | |
|---|-------------|
| a) new permit. | YES___NO___ |
| b) permit transfer (A.A.C. R18-9-A212). | YES___NO___ |
| c) permit that has not been amended in the last five years. | YES___NO___ |
| d) update for Cost Estimate/Financial Demonstration. | YES___NO___ |
| e) Estimate/Financial Demonstration at the direction of ADEQ. | YES___NO___ |
| f) Significant Amendment (A.A.C. R18-9-A211). | YES___NO___ |

18. Cost Estimates

Closure costs and a financial demonstration are required even if the Applicant does not intend to close the facility in the near future. The closure and post-closure cost estimates must be based on the closure and post-closure plan/strategy (required by Application Item 32). Please see checklists for closure plans/strategies and cost estimate on the ADEQ website: <http://www.azdeq.gov/node/542>

Cost estimate summary:

- | | |
|-----------------|---------|
| a. Construction | \$_____ |
| b. Operation | \$_____ |
| c. Maintenance | \$_____ |
| d. Closure | \$_____ |
| e. Post-Closure | \$_____ |

Cost estimate details and supporting documentation*

Included in Report Section/Appendix _____

***NOTE:**

- Except as exempted by A.R.S. § 32-144.A.7 (employees of mining companies), professional documents, such as reports, plans and specifications, are to be signed by an Arizona registered engineer or geologist (A.R.S. § 32-125).

19. Financial Assurance.

Cost estimates prepared by an engineer, design documents and engineering analysis must be signed and sealed by an Arizona Registered Professional Engineer, and must not include labels such as “Draft”, “Preliminary”, or “Not for Construction” per A.R.S. § 32-101(B)(10 and 11) and 32-125. Financial Assurance Demonstration for either (a) government or (b) non-government:

Indicate which financial assurance demonstration will be provided to cover the cost of Closure and Post-closure. See the ADEQ website for financial assurance mechanism templates and instructions at <http://azdeq.gov/financial-responsibility-options-apps>

Applicant is a:

☐ government entity.

The Statement that indicates how the entity is capable of meeting the costs listed in the Cost Estimate section is included in Report Section/Appendix _____

☐ non-government entity.

i. Financial Assurance Mechanism to be used is **: _____
select

ii. Details of any financial mechanism held by another government agency for the purpose of closure and post-closure activities described in the closure plan/strategy, is

Included in Report Section/Appendix _____

iii. A letter on Company letterhead signed by the Chief Financial Officer, [A.A.C. R18-9-A203], is

Included in Report Section/Appendix _____

****Note:**

- For submittal of the application, indicating the type of mechanism is sufficient.
- Once ADEQ reviews and approves the cost estimates, then the assurance itself will be requested.
 - It is preferable to wait for ADEQ approval of cost estimates before submitting the finalized financial demonstration.

TECHNICAL INFORMATION

20. Facility description. Included in Report Section/Appendix Provided in original Application.

Ensure the following information is present in the description [*refer to A.A.C. R18-1-503(1) - Definitions for “discharging facility” and “discharge”*]:

- a. A general description of what the facility does.
- b. When operations began or are estimated to begin.
- c. A general description of the facility process as it relates to the discharge, including:
 - i. Operating, proposed and closed discharging facilities, or activities that discharge,
 - ii. Source(s) of wastewaters/waste, and
 - iii. Facility or location where the wastewater/waste is discharged.

21. Process flow diagram that shows the activity producing the discharge (e.g. wastewater treatment, cooling, manufacturing), including the pertinent elements that affect the quality of the discharge.

Included in Report Section/Appendix Provided in original Application.

22. The discharging facilities and activities that discharge.

Provide the location and indicate whether they are currently (a) operating/existing, (b) proposed as new, or (c) to be closed, as part of this permit application [A.R.S. 49-241].

Included in Report Section/Appendix Provided in original Application.

OR listed:

Facility or Activity Name (e.g., Evaporation Pond 1)	Existing, Proposed, or To Be Closed	Latitude (North)			Longitude (West)		
		°	'	”	°	'	”
		°	'	”	°	'	”
		°	'	”	°	'	”
		°	'	”	°	'	”
		°	'	”	°	'	”
		°	'	”	°	'	”

23. Map(s) [A.A.C. R18-9-A202(A)(1)]

Included in Report Section/Appendix Provided in original Application.

Ensure the following are visible and included:

- 1) North arrow
- 2) Scale
- 3) Topography with sufficient resolution and legible elevations of contours for the facility
- 4) Facility location
- 5) Property line(s) and use of adjacent property
- 6) Overlay of State or Federal land
- 7) All known water wells within 1/2 mile of property boundary
- 8) Labeled with ADWR Well Number, latitude and longitude
- 9) Provide the uses and well construction details of the water wells, if known, water level elevations in the wells, and highlight/identify the nearest downgradient well. Tabulation of this data to prevent excessive labeling on the site plan itself is preferred.)

24. Site Plan [A.A.C. R18-9-A202(A)(2), (4) and (8), A.R.S. 49-244]

Included in Report Section/Appendix Provided in original Application.

Ensure the following are visible and included:

- 1) North arrow
- 2) Scale
- 3) Property lines
- 4) Structures
- 5) Water wells
- 6) Injection Wells
- 7) Drywells and their uses
- 8) Topography
- 9) All known borings
- 10) 100-year floodplain (FEMA Flood Insurance Rate Map (FIRM) 100-year showing floodplain boundary preferred)
- 11) Surface water bodies
- 12) Surface water flow direction(s)
- 13) Groundwater flow direction(s)
- 14) Point of Compliance (POC) locations and/or wells
- 15) Discharge Impact Area (DIA).
- 16) Pollutant Management Area (PMA)

NOTE: In cases where the site is very large, there are multiple PMAs or there is an excessive amount of information that would make the site plan indecipherable, it may be clearer to provide site plans for discrete areas or provide a separate site plan with the PMA, DIA and POC wells.

Ensure the following have the latitude and longitude:

- 1) Discharging facilities/discharge locations and existing and proposed POC locations and/or wells.
- 2) Tabulation of this data to prevent excessive labeling on the site plan itself is preferred.
 - a. ***For open pit mine facilities***, show the delineation of the passive containment capture zone (PCCZ) and the open pit boundary, if relying on this for Best Available Demonstrated Control Technology (BADCT).
 - b. ***For Sewage Treatment Facilities*** include effluent sampling and effluent discharge location(s) with latitude and longitude, and setback distance(s) measured from the treatment and disposal components within the sewage treatment facility to the nearest property line of an adjacent dwelling, workplace, or private property.

- **This application is for a Sewage Treatment Facility (STF).** YES ☐ NO ☒
If you answered “YES”, proceed to item #28** (skip items #25, 26**, and 27).

****Professional Document Requirements (items 26-32):**

- Except as exempted by A.R.S. § 32-144.A.7 (employees of mining companies), professional documents, such as reports, plans and specifications, are to be signed by an Arizona registered engineer or geologist (A.R.S. § 32-125).
- Cost estimates prepared by an engineer, design documents and engineering analysis must be signed and sealed by an Arizona Registered Professional Engineer, and must not include labels such as “Draft”, “Preliminary”, or “Not for Construction” per A.R.S. § 32-101(B)(10 and 11) and 32-125.

The application sections typically considered as professional documents include:

26 Design Documents	31 Contingency Plan
27 BADCT Description	32 Closure/Post-closure Plan/Strategy
28 Hydrogeologic Study	35 STF Design Report
29 Demonstration of Compliance with AWQS at POC	36 STF Engineering Plans and Specifications
30 Monitoring Proposal	39 STF Sludge Treatment

25. Characterization of discharge [A.A.C. R18-9-A202(A)(4)].

Included in Report Section/Appendix _____

For all non-STF facilities: provide characterization of discharge to include a summary of known past and proposed facility discharge activities. Provide estimated discharge characteristics or results of actual discharge characterization, and quantities/flow rate. Tabulated data is preferred with laboratory results included as an appendix.

26. Design Documents [A.A.C. R18-9-A202(A)(3)].

Included in Report Section/Appendix _____

For all non-STF facilities: provide facility design documents, proposed or as-built, indicating the configuration or other engineered elements of the facility affecting discharge. Drawings must be legible with readable font sizes and include sufficient detail to indicate the key design features. When formal as-built plans are not available, provide documentation sufficient to allow evaluation of those elements of the facility affecting discharge, following the demonstration requirements of A.R.S. 49-243(B). Provide construction specifications and a quality control/quality assurance plan for new facilities.

27. Best Available Demonstrated Control Technology “BADCT” Description [A.A.C. R18-9-A202(A)(5)]

Included in Report Section/Appendix _____

For all non-STF facilities: provide design information pertaining to all discharging facilities including all calculations/analyses to demonstrate that all facilities are designed per BADCT guidance or rule.

Examples include: facility sizing, stability analyses, water balance, freeboard calculations, liner leakage rate calculations

Further information about [Engineering Review Programs](#) available on the [ADEQ website](#) “See More” sidebar.

28. Hydrogeologic Study or justification that a limited study or no study is required [A.A.C. R18-9-A202(A)(8)]. Further information about [Hydrogeology](#) available on the [ADEQ website](#) “See More” sidebar.

Included in Report Section/Appendix Provided in original Application.

29. Demonstration of Compliance with AWQS at POCs [A.A.C. R18-9-A202(A)(6)]. Further information about [AWQS at the POC](#) available on [ADEQ website](#) under the “See More” sidebar.

Included in Report Section/Appendix Refer to Attachments.

30. Monitoring Proposal [A.A.C. R18-9-A202(A)(9)].

Included in Report Section/Appendix Refer to Attachments.

- A detailed proposal indicating the alert levels, discharge limitations, monitoring requirements, compliance schedules, and temporary cessation or plans that the Applicant will use to satisfy the requirements of A.R.S. Title 49, Chapter 2, Article 3 and Articles 1 and 2 of Chapter 9.
- Include as applicable, discharge and groundwater monitoring and operational/inspections.
- Indicate sampling point(s) with latitude and longitude(e.g. effluent, discharge, groundwater monitoring or other sampling points)

31. Current Contingency Plan [A.A.C. R18-9-A202(A)(7) and R18-9-A204].

Included in Report Section/Appendix Provided in original Application.

32. Closure and Post-closure Plan/Strategy [A.A.C. R18-9-A202(A)(10)]. Further information available in [Closure Cost Checklist](#) on the [ADEQ website/forms](#).

Included in Report Section/Appendix Provided in original Application.

Sewage Treatment Facility Applications ONLY (Items 33 through 39)

33. For Sewage Treatment Facilities (STFs), indicate the effluent disposal method(s) to be utilized and the disposal capacity for each method [A.A.C. R18-9-B202]:

Disposal Method	Flow capacity (gal/day)
Beneficial reuse under a Recycled Water Permit	
Surface impoundment primarily for evaporation	
Surface impoundment primarily for recharge to groundwater	
Discharge to a Water of the U.S. under a Clean Water Act Permit (NPDES/AZPDES)	
Vadose zone injection wells	
Injection wells directly into groundwater	
Land application for disposal; not reuse	
Other, describe:	

34. Documentation that the Sewage Treatment Facility is in conformance with the Area-wide 208 Quality Management Plan for Sewage Treatment Facilities [A.A.C. R18-9-A201(B)(6)]. Further information available in [208 requirements](#) on the ADEQ website.

Included in Report Section/Appendix _____

35. Sewage Treatment Facility Design Report [A.A.C. R18-9-B202]. Further information about [Sewage Collection Systems](#) available [on the ADEQ website](#) “See More” sidebar.

Included in Report Section/Appendix _____

- Include information pertaining to all discharging facilities including all calculations/analysis to demonstrate that all facilities are designed per BADCT treatment performance requirements in rule.
- Include facility sizing, stability analyses, water balance, freeboard calculations, and liner leakage rate calculations.
- An Arizona registered engineer shall seal the design report.

36. Sewage Treatment Facility Engineering Plans and Specifications [A.A.C. R18-9-B203].

Included in Report Section/Appendix _____

- The documents may include manufacturer’s specifications and cut sheets and shall be sealed by an Arizona registered engineer.

37. Sewage Treatment Facility Recycled Water classification [A.A.C. R18-11, Article 3]:

select

38. Sewage Treatment Facility Set-back map [A.A.C. R18-9-B201(I)].

Included in Report Section/Appendix _____

39. Sewage Treatment Facility sludge treatment and disposal description [A.A.C. R18-9-B202].

Included in Report Section/Appendix _____

- If treatment or disposal at the facility includes discharging facilities, include the Design and BADCT information required by Items 26 and 27.
- Example of a discharging facility is a sludge drying bed.

-- END OF APPLICATION --

APPApplicationforMinorModFinal1

Final Audit Report

2026-06-25

Created:	2026-06-24
By:	Jay Fumusa (jay.fumusa@hudsonbayminerals.com)
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