

Addendum to the Fact Sheet for NPDES Permit WA0052078

October 1, 2024

1. Facility General Information

Darigold Sunnyside	Renewal Date of Previous Permit:	June 1, 2021
400 Alexander Road Sunnyside, WA 98944	Expiration Date:	May 31, 2026

2. Background and Purpose of Modification

This fact sheet amendment explains and documents the modifications to the permit issued to Darigold Sunnyside Facility on April 28, 2021. The fact sheet that accompanied the 2021 permit has detailed information about the wastewater discharge and Ecology's permit decisions.

This fact sheet amendment explains the regulatory and technical basis for the amended conditions contained in the permit.

Treatment plant upgrades were completed in 2021 at the Port of Sunnyside Industrial Wastewater Treatment Facility (IWWTF) that now allow for the changes to be made to Darigold Sunnyside's industrial user contract.

Ecology received a letter from the Port of Sunnyside on October 24, 2022 outlining requests Darigold Sunnyside had made to the Port to amend their industrial user contract Schedule A and several other permit conditions (Appendix C).

On November 22, 2022, Ecology received a signed Amendment One to Darigold's industrial user contract from the Port of Sunnyside.

The amended industrial user contract and changes in wastewater monitoring included in this modified permit will streamline certain requirements in these sections and increase compliance as they will be more adequately meet the needs of Darigold Sunnyside and the Port of Sunnyside.

The reduction of limits and monitoring are considered a major change, so a public notice is necessary.

3. Summary of Compliance with Current Permit Issued

Darigold Sunnyside has mostly complied with the effluent limits and permit conditions throughout the duration of the current permit issued on April 28, 2021. Ecology assessed compliance based on its review of the facility's information in the Ecology Permitting and Reporting Information System (PARIS), discharge monitoring reports (DMRs) and on inspections.

Addendum to the Fact Sheet
 For NPDES Permit WA0052078

The proposed permit modification, including the amended industrial use contract, will help Darigold Sunnyside stay within compliance of their permit limits.

1	Event Category	Violation	Violation Date	Parameter Type	Unit Type	Monitoring Point Code	Max Limit	Measurement Value Quantity	Min Limit
2	Reporting Violations	Failure to submit required report (r	9/13/2021						
3	Monitoring Violations	Frequency of Sampling Violation	2/1/2021	Ammonia	Milligrams/L (mg/L)	1			
4	Monitoring Violations	Frequency of Sampling Violation	3/1/2021	Ammonia	Milligrams/L (mg/L)	1			
5	Effluent Violations	Numeric effluent violation	3/1/2021	Kjeldahl Nitrogen (TKN)	Lbs/Day	2	46105	46681	
6	Effluent Violations	Numeric effluent violation	5/1/2021	Flow	Cubic Feet Per Month	2	4144385	4222527	
7	Monitoring Violations	Frequency of Sampling Violation	6/1/2021	Biochemical Oxygen Demand (BOD5)	Milligrams/L (mg/L)	2			
8	Monitoring Violations	Frequency of Sampling Violation	6/1/2021	Kjeldahl Nitrogen (TKN)	Milligrams/L (mg/L)	2			
9	Monitoring Violations	Frequency of Sampling Violation	6/1/2021	Solids (Residue)	Milligrams/L (mg/L)	4			
10	Monitoring Violations	Frequency of Sampling Violation	6/1/2021	Solids (Residue)	Milligrams/L (mg/L)	4			
11	Effluent Violations	Numeric effluent violation	7/1/2021	pH (Hydrogen Ion) Daily Min	Standard Units	1		5.85	6
12	Monitoring Violations	Frequency of Sampling Violation	7/1/2021	Kjeldahl Nitrogen (TKN)	Milligrams/L (mg/L)	2			
13	Monitoring Violations	Frequency of Sampling Violation	10/1/2021	Kjeldahl Nitrogen (TKN)	Milligrams/L (mg/L)	2			
14	Monitoring Violations	Frequency of Sampling Violation	11/1/2021	Biochemical Oxygen Demand (BOD5)	Milligrams/L (mg/L)	2			
15	Monitoring Violations	Frequency of Sampling Violation	11/1/2021	Chemical Oxygen Demand (COD)	Lbs/Day	2			
16	Monitoring Violations	Frequency of Sampling Violation	11/1/2021	Chemical Oxygen Demand (COD)	Milligrams/L (mg/L)	2			
17	Monitoring Violations	Frequency of Sampling Violation	11/1/2021	Biochemical Oxygen Demand (BOD5)	Milligrams/L (mg/L)	4			
18	Monitoring Violations	Frequency of Sampling Violation	12/1/2021	Biochemical Oxygen Demand (BOD5)	Milligrams/L (mg/L)	2			
19	Monitoring Violations	Frequency of Sampling Violation	1/1/2022	Biochemical Oxygen Demand (BOD5)	Milligrams/L (mg/L)	2			
20	Monitoring Violations	Frequency of Sampling Violation	2/1/2022	Biochemical Oxygen Demand (BOD5)	Milligrams/L (mg/L)	2			
21	Monitoring Violations	Frequency of Sampling Violation	5/1/2022	Biochemical Oxygen Demand (BOD5)	Milligrams/L (mg/L)	2			
22	Effluent Violations	Numeric effluent violation	6/1/2022	Kjeldahl Nitrogen (TKN)	Lbs/Month	4	1351	1523	
23	Effluent Violations	Numeric effluent violation	6/1/2022	Nitrogen (calculation)	Lbs/Month	4	1501	1528	
24	Monitoring Violations	Analysis not Conducted	7/3/2022	Biochemical Oxygen Demand (BOD5)	Milligrams/L (mg/L)	4			
25	Monitoring Violations	Frequency of Sampling Violation	8/1/2022	Kjeldahl Nitrogen (TKN)	Milligrams/L (mg/L)	2			
26	Monitoring Violations	Frequency of Sampling Violation	8/18/2022	Kjeldahl Nitrogen (TKN)	Lbs/Month	2			
27	Monitoring Violations	Analysis not Conducted	9/16/2022	Kjeldahl Nitrogen (TKN)	Milligrams/L (mg/L)	2			
28	Monitoring Violations	Frequency of Sampling Violation	11/24/2022	Biochemical Oxygen Demand (BOD5)	Milligrams/L (mg/L)	2			
29	Monitoring Violations	Frequency of Sampling Violation	11/25/2022	Biochemical Oxygen Demand (BOD5)	Milligrams/L (mg/L)	2			
30	Monitoring Violations	Frequency of Sampling Violation	11/10/2022	Biochemical Oxygen Demand (BOD5)	Milligrams/L (mg/L)	2			

1	Event Category	Violation	Violation Date	Parameter Type	Unit Type	Monitoring Point Code	Max Limit	Measurement Value Quantity	Min Limit
31	Monitoring Violations	Frequency of Sampling Violation	11/29/2022	Biochemical Oxygen Demand (BOD5)	Milligrams/L (mg/L)	2			
32	Monitoring Violations	Frequency of Sampling Violation	11/30/2022	Biochemical Oxygen Demand (BOD5)	Milligrams/L (mg/L)	2			
33	Monitoring Violations	Frequency of Sampling Violation	11/23/2022	Chemical Oxygen Demand (COD)	Lbs/Day	2			
34	Monitoring Violations	Frequency of Sampling Violation	11/23/2022	Chemical Oxygen Demand (COD)	Milligrams/L (mg/L)	2			
35	Monitoring Violations	Frequency of Sampling Violation	12/1/2022	Ammonia	Lbs/Day	1			
36	Monitoring Violations	Analysis not Conducted	12/2/2022	Ammonia	Milligrams/L (mg/L)	1			
37	Monitoring Violations	Analysis not Conducted	12/7/2022	Ammonia	Milligrams/L (mg/L)	1			
38	Monitoring Violations	Analysis not Conducted	12/4/2022	Ammonia	Milligrams/L (mg/L)	1			
39	Monitoring Violations	Analysis not Conducted	12/3/2022	Ammonia	Milligrams/L (mg/L)	1			
40	Monitoring Violations	Analysis not Conducted	12/6/2022	Ammonia	Milligrams/L (mg/L)	1			
41	Monitoring Violations	Analysis not Conducted	12/5/2022	Ammonia	Milligrams/L (mg/L)	1			
42	Monitoring Violations	Frequency of Sampling Violation	12/30/2022	Biochemical Oxygen Demand (BOD5)	Milligrams/L (mg/L)	2			
43	Monitoring Violations	Frequency of Sampling Violation	12/23/2022	Biochemical Oxygen Demand (BOD5)	Milligrams/L (mg/L)	2			
44	Monitoring Violations	Frequency of Sampling Violation	12/22/2022	Biochemical Oxygen Demand (BOD5)	Milligrams/L (mg/L)	2			
45	Monitoring Violations	Frequency of Sampling Violation	12/29/2022	Biochemical Oxygen Demand (BOD5)	Milligrams/L (mg/L)	2			
46	Effluent Violations	Numeric effluent violation	12/1/2022	Kjeldahl Nitrogen (TKN)	Lbs/Month	4	1396	3014	
47	Effluent Violations	Numeric effluent violation	12/1/2022	Nitrogen (calculation)	Lbs/Month	4	1551	3034	
48	Effluent Violations	Numeric effluent violation	12/1/2022	Solids (Residue)	Lbs/Month	4	4654	7004	
49	Effluent Violations	Numeric effluent violation	12/1/2022	Solids (Residue)	Lbs/Month	4	5429	8313	

4. Surface Water Quality Standards and Impairments

Ecology evaluated the impairment status of the Joint Drain 33.4 since the last issuance of this permit. The impairment status has not changed from the previous permit issued on April 28, 2021. No changes are proposed in the modified permit for discharge limits for Outfall 001 which discharges to Joint Drain 33.4.

5. Permit Limits and Conditions

The modified permit is similar to the previous permit issued on April 28, 2021 with the exceptions identified below. The proposed modified permit includes the following changes:

- Amended NPDES Outfall 001 monitoring tables to better reflect the permit limits and DMR data currently being submitted:
 - Removed continuous ammonia monitoring, this was in the S2 monitoring table, but wasn't in the DMR as the 24-hr composite sample is used for normal compliance. The grab sample is only used for ammonia (total) exceedances lasting more than 30 minutes as shown by continuous monitoring.
 - Changed the TKN /lbs/month to lbs/day.
 - Changed pH excursions from monthly to daily to better match DMR.
 - Added Ammonia (Total) excursion duration in minutes as is included in the existing DMR.
- Amended Outfall 002 and 004 S2 monitoring tables to better reflect what is in the actual DMRs and reduce redundancy and confusion:
 - Outfall 002 TKN lbs/month is changed to lbs/day to avoid confusion in the DMR data columns. TKN lbs per month is automatically included in the DMR summary table.
 - Removed Outfall 002 COD lbs/month from the S2 monitoring table as it is automatically included in the DMR summary table.
 - Outfall 004 TKN lbs/month changed to lbs/day.
- Replaced the industrial user contract Schedule A limits that act as the permit limits for Outfalls 002 and 004 with those from the amended industrial user contract Schedule A documents that were effective November 7, 2022. Important changes included:
 - Changing flow limit units from cubic feet to gallons.
 - Increasing loadings for certain parameters to match Darigold Sunnyside's anticipated wastewater production.
 - Replacing Biological Oxygen Demand (BOD) limits with Chemical Oxygen Demand (COD) to increase laboratory turnaround time and ease and still provide the same necessary information.
 - Remove limits for parameters that are no longer important with the recent upgrades at the Port of Sunnyside IWWTF. This includes removing all the monthly flow weighted average based limits for Outfall 004 except for chloride.
 - Remove the winter combined month limits.
- Amending wastewater monitoring associated with the amended industrial user contracts at

the request of both Darigold and the Port of Sunnyside:

- Removing the cubic feet/month parameter and replacing the cubic feet/year parameter with gallons/year for both Outfall 002 and 004 monitoring.
- Removing the BOD5 monitoring parameters for both Outfall 002 (COD was already included) and replacing the BOD5 monitoring with COD monitoring for Outfall 004.
- Reducing the Outfall 002 Total Kjeldahl Nitrogen (TKN) monitoring from 4/week to 2/week.
- Reducing the Outfall 004 Total Kjeldahl Nitrogen (TKN) monitoring from 1/week to 2/month.
- Removing a number of now unnecessary parameters from Outfall 004 monitoring including the Total Suspended Solids (TSS), TKN Monthly Flow Weighted Average calculation, Total Ammonia, Nitrate plus Nitrite N, Total Nitrogen, Total Phosphorus, Chloride lbs/month and lbs/year, Total Dissolved Solids (TDS), and Fix Dissolved Solids (TDS) parameters.
- Removed and reordered associated monitoring table footnotes.

6. Public Process

Ecology must public notice the availability of the draft reauthorized permit at least 30 days before it reissues the permit [[Washington Administrative Code \(WAC\) 173-220-050](#)]. Ecology invites you to review and comment on its decision to reauthorize the permit (see **Appendix A-Public Involvement Information** for more detail on the Public Notice procedures).

After the public comment period has closed, Ecology will prepare a *Response to Comments* document and attach it to this fact sheet addendum. Ecology will respond to each comment and describe the resultant changes to the permit in this document. Ecology sends a copy of the *Response to Comments* to all parties that submitted comments.

7. Permit Appeal Process

Appendix B describes the permit appeal process.

8. Recommendation for Permit Modification

Based on the information and documentation presented, Ecology proposes to modify the Darigold Sunnyside permit to incorporate the amended industrial user contract and changes in monitoring as discussed above.

Appendix A — Public Involvement Information

Ecology proposes to modify a permit to Darigold Sunnyside. The permit includes wastewater discharge limits and other conditions. This fact sheet describes the facility and Ecology's reasons for requiring permit conditions.

Ecology placed a Public Notice of Draft on March 20, 2024 in Sunnyside Sun to inform the public and to invite comment on the proposed draft National Pollutant Discharge Elimination System permit and fact sheet.

The notice:

- Tells where copies of the draft permit and fact sheet are available for public evaluation (a local public library, the closest regional or field office, posted on our website).
- Offers to provide the documents in an alternate format to accommodate special needs.
- Asks people to tell us how well the proposed permit would protect the receiving water.
- Invites people to suggest fairer conditions, limits, and requirements for the permit.
- Invites comments on Ecology's determination of compliance with antidegradation rules.
- Urges people to submit their comments, in writing, before the end of the comment period.
- Tells how to request a public hearing about the proposed NPDES permit.
- Explains the next step(s) in the permitting process.

Addendum to the Fact Sheet
For NPDES Permit WA0052078

NOTICE: ANNOUNCEMENT OF AVAILABILITY OF DRAFT PERMIT MODIFICATION

PERMIT NO.: WA0052078

APPLICANT: Darigold Inc.

FACILITY: Darigold Sunnyside
400 Alexander Road
Sunnyside, WA 98944

Darigold Inc. has applied for a National Pollutant Discharge Elimination System (NPDES) permit modification in accordance with the provisions of Chapter 90.48 Revised Code of Washington (RCW) and Chapter 173-220 Washington Administrative Code (WAC), and the Federal Clean Water Act.

Following evaluation of the application for modification and other available information, a draft permit has been developed which would allow the discharge of treated industrial wastewater from Darigold Sunnyside to Joint Drain 33.4 and Sunnyside IWWTF. All discharges to be in compliance with the Department of Ecology's Water Quality Standards for a permit to be issued.

A tentative determination has been made on the effluent limitations and special permit conditions that will prevent and control pollution. A final determination will not be made until all timely comments received in response to this notice have been evaluated.

PUBLIC COMMENT AND INFORMATION

The draft permit and fact sheet may be viewed at the Department of Ecology (Department) website: <https://apps.ecology.wa.gov/puris/DocumentSearch.aspx?PermitNumber=WA0052078&FacilityName=&City=&County=&Region=0&PermitType=0&DocumentType=0>. The application, fact sheet, proposed permit, and other related documents are also available at the Department's Central Regional Office for inspection and copying between the hours of 8:00 a.m. and 5:00 p.m., weekdays. To obtain a copy or to arrange to view copies at the Central Regional Office, please e-mail publicrecordsofficer@ecy.wa.gov or write to Public Records Officer, Department of Ecology, PO Box 47600, Olympia, WA 98504.

Interested persons are invited to submit written comments regarding the proposed permit. All comments must be submitted within 30 days after publication of this notice to be considered for the final determination.

Submit comments online at: <https://wq.ecology.commentinput.com?id=gQ4EDsF8P>. Written comments should be sent to: Water Quality Permit Coordinator, Department of Ecology, Central Regional Office, 1250 West Alder Street, Union Gap, WA 98903-0009.

Any interested party may request a public hearing on the proposed permit within 30 days of the publication date of this notice. The request for a hearing shall state the interest of the party and the reasons why a hearing is necessary. The request should be sent to the above address. The Department will hold a hearing if it determines that there is significant public interest. If a hearing is to be held, public notice will be published at least 30 days in advance of the hearing date. Any party responding to this notice with comments will be mailed a copy of a hearing public notice.

Please bring this public notice to the attention of persons who you know would be interested in this matter. The Department is an equal opportunity agency. If you need this publication in an alternate format, please contact us at (509) 575-2490 or TTY (for the speech and hearing impaired) at 711 or 1-800-833-6388.

No public comments were received.

Addendum to the Fact Sheet
For NPDES Permit WA0052078

Ecology has published a document entitled [Frequently Asked Questions about Effective Public Commenting](http://www.ecy.wa.gov/biblio/0307023.html), available on our website: <http://www.ecy.wa.gov/biblio/0307023.html>. You may obtain further information from Ecology by telephone, (509) 575-2490, or by writing to the address listed below.

Water Quality Permit Coordinator
Department of Ecology
Central Regional Office
1250 Alder Street
Union Gap, WA 98903-0009

The primary author of this permit and fact sheet is Matthew Durkee, LHG.

Appendix B — Your Right to Appeal

You have a right to appeal this permit to the Pollution Control Hearing Board (PCHB) within 30 days of the date of receipt of the final permit. The appeal process is governed by [chapter 43.21B RCW](#) and [chapter 371-08 WAC](#). “Date of receipt” is defined in [RCW 43.21B.001\(2\)](#) (see glossary).

To appeal you must do the following within 30 days of the date of receipt of this permit:

- File your appeal and a copy of this permit with the PCHB (see addresses below). Filing means actual receipt by the PCHB during regular business hours.
- Serve a copy of your appeal and this permit on Ecology in paper form - by mail or in person. (See addresses below.) E-mail is not accepted.

You must also comply with other applicable requirements in [chapter 43.21B RCW](#) and [chapter 371-08 WAC](#).

Table 1 Address and Location Information

Street Addresses	Mailing Addresses
<p>Department of Ecology Attn: Appeals Processing Desk 300 Desmond Drive SE Lacey, WA 98503</p> <p>Pollution Control Hearings Board 1111 Israel RD SW STE 301 Tumwater, WA 98501</p>	<p>Department of Ecology Attn: Appeals Processing Desk PO Box 47608 Olympia, WA 98504-7608</p> <p>Pollution Control Hearings Board PO Box 40903 Olympia, WA 98504-0903</p>

Appendix C — Port of Sunnyside Request Letter



10.19.2022

Matthew Durkee, LHG
Senior Hydrogeologist
Water Quality Program
Washington Dept. of Ecology
1250 West Alder Street
Union Gap, WA 98903

RE: Modifications to Darigold's Schedule A and sampling requirements

Mr. Durkee

The Port of Sunnyside has received and evaluated two requests from Darigold to amend their Schedule A. As the result of our recently completed Membrane BioReactor project (MBR), we would also like to make a few other modifications to their permit.

Darigold has requested an increase of their discharge volume to Outfall 002 by 2.5%, and an increase in their TKN limits by 15%. The Port has assessed the requests and can accommodate both due to increased treatment provide by the MBR's.

During the MBR project, provisions were made to route Darigold Outfall 004, COW Water, into Lagoon 2/3, and not discharge it to Lagoon 4. Since Darigold Outfall 004 will now go to virtually the same place as Darigold Outfall 002, the Port requests that the constituent testing requirements be consistent with Outfall 002 testing requirement. The current Outfall 004 testing was put in place to protect the Sprayfields as there was only limited treatment at Lagoon 4 before it was land applied. It is our intent to largely reduce our wastewater land application. Outfall 004 will now be treated at the IWWTF through Lagoon 2/3 and the MBR system. Please see the attached monitoring schedule for requested changes to Outfall 004.

The Schedule A, winter discharge limit, can also be removed, we are able to treat and discharge everything we receive to JD 33.4.

The Port has been doing both BOD and COD testing on Darigold Outfall 002 and reporting both results. It is our goal to continue to convert all our industry testing and billing to COD only. We request that we only test and report for COD's. This is a much easier and repeatable lab test.

The Port also requests a change for Darigold Outfall 002 TKN testing to 2/week and Outfall 004 to 2/month.

And lastly, we would like to convert the hydraulic flow reporting units from cubic feet to gallons.

747 Midvale Road • Sunnyside, WA 98944 • Phone (509) 839-3187 • Fax (509) 839-4481

Addendum to the Fact Sheet
For NPDES Permit WA0052078

In summary:

1. Darigold requested a 2.5% increase to Outfall 002 volume.
2. Darigold requested a 15% increase to Outfall 002 TKN limits.
3. Amend Outfall 004 monitoring schedule to mirror Outfall 002
4. Amend BOD testing and reporting to COD only.
5. Amend Outfall 004 TKN testing schedule to 2 per month
6. Amend Outfall 002 TKN testing schedule to 2 per week
7. Amend hydraulic flow reporting units to gallons vs cubic feet.

We would appreciate your review and consideration of the above requests. Please contact me if you have any questions.

Sincerely,


Travis Jansen
Operations Manager

Addendum to the Fact Sheet
For NPDES Permit WA0052078



June 20, 2022

Travis Jansen
Port of Sunnyside Industrial Wastewater Treatment Facility
747 Midvale Road
Sunnyside, WA 98944

Re: Schedule "A" User Contract update

Mr. Jansen:

I am following up to an email you sent me regarding our Schedule "A" User Contract. I would like to respond to each of six the items you had on your list.

a. Slug load surcharge modification:

We are in favor of having the surcharge modified and do like the current method we have going which has us providing notice and not receiving a surcharge. Moving forward, I feel we can come to an agreement that is fair for both sides.

b. Increase in constituent levels, will work with Darigold on needs:

I will start by saying our COW water limits for Outfall #004 are fine the way they are. We have not struggled with meeting any of the current limits that we have in place. As for Outfall #002, I am requesting a few changes. First, is a small 2.5% increase in volume. From Jan. 2021 through May 2022, the monthly volume limit was violated three times (May 2021, June 2021, and Dec 2021). This would give us a little more cushion on months we experience higher flows.

I am ok with having COD replace BOD. To come up with a COD limit, I divided the monthly BOD limits by .66. I feel this gets us in the ballpark as the .66 correlation is close. BOD was violated once from Jan. 2021 through May 2022. Using the .66, we would have violated COD on the same month we violated BOD (April 2022).

My last and biggest request is a 15% increase in our monthly TKN pounds. From Jan. 2021 through May 2022, we struggled with TKN and violated the monthly limit eight different times. I do realize that 15% is asking for a lot and I am curious what your thoughts are on this. Any increase in TKN will be greatly appreciated on our end. Please see the table below, which has new proposed limits for Outfall #002.

Darigold – Sunnyside, WA / 400 Alexander Road / Sunnyside, WA 98944 / (509) 854-4379

Addendum to the Fact Sheet
 For NPDES Permit WA0052078



Month	Proposed Volume Limit (2.5% increase) gallons per month	COD lbs per month	Proposed TKN Limit (15% increase) lbs per month
Jan	31,777,209	1,203,061	53,021
Feb	29,727,064	1,125,439	49,600
Mar	31,777,209	1,203,061	53,021
Apr	30,752,136	1,164,250	51,307
May	31,777,209	1,203,061	53,021
Jun	30,752,136	1,164,250	51,313
Jul	31,777,209	1,203,061	53,021
Aug	31,777,209	1,203,061	53,021
Sep	30,752,136	1,164,250	51,307
Oct	31,777,209	1,203,061	53,021
Nov	30,752,136	1,164,250	51,307
Dec	31,777,209	1,203,061	53,021

- c. COW water comes to Lagoon 2/3 now instead of Lagoon 4:
We have no issues with this change.
- d. Remove winter storage limit:
We have no issues with this change.
- e. Change cubic feet to gallons:
We have no issues with this change.
- f. Can we change BOD reporting for Darigold to COD:
We have no issues with this change.

I hope you and your team can review our requests for increasing the limits for Outfall #002 and provide us some feedback on it. If you have any further questions regarding any of the topics discussed, please feel free to reach out to me via email at chris.babcock@darigold.com or by phone at (509) 854-4379.

Best Regards,

Chris Babcock
 Darigold

DATE: _____

**PORT OF SUNNYSIDE
 INDUSTRIAL WASTEWATER TREATMENT FACILITY
 USER CONTRACT
 SCHEDULE "A" - PAGE 1**

INDUSTRY: **Dartgold, inc draft** **Outfall 002**

	HYDRAULIC DISCHARGE CONTRACTED		CHEMICAL OXYGEN DEMAND		TOTAL KJELDHAL NITROGEN		CHLORIDE SEE BELOW PZ		TOTAL PHOSPHORUS	
	MONTHLY	TOTAL	MONTHLY	TOTAL	MONTHLY	TOTAL	MONTHLY	TOTAL	MONTHLY	TOTAL
	GALLONS		POUNDS		POUNDS				POUNDS	
JANUARY	31,777,209		1,203,061		53,021					
FEBRUARY	29,727,064		1,125,439		49,800					
MARCH	31,777,209		1,203,061		53,021					
APRIL	30,752,136		1,164,250		51,307					
MAY	31,777,209		1,203,061		53,021					
JUNE	30,752,136		1,164,250		51,307					
JULY	31,777,209		1,203,061		53,021					
AUGUST	31,777,209		1,203,061		53,021					
SEPTEMBER	30,752,136		1,164,250		51,307					
OCTOBER	31,777,209		1,203,061		53,021					
NOVEMBER	30,752,136		1,164,250		51,307					
DECEMBER	31,777,209		1,203,061		53,021					
ANNUAL TOTAL	375,176,071		14,203,866		625,975					

THE FOLLOWING CONTAINS ALL WASTEWATER COMPONENTS WHICH MAY BE CONSIDERED TOXIC OR HAZARDOUS SUBSTANCES.

NOTES:

- Capital Charges are based on monthly contract volumes; see user contract for excess volumes.
- The monthly flow-weighted average chloride concentration shall not exceed 250mg/L.

THE CONTRACTED USER CERTIFIES THAT THE ABOVE SCHEDULE IS ACCURATE AND COMPLETE AND THAT THE WASTEWATER SHALL NOT CONTAIN ANY TOXIC OR HAZARDOUS SUBSTANCES OTHER THAN THOSE LISTED ABOVE.

CONTRACTED USER

EXECUTIVE DIRECTOR,
 PORT OF SUNNYSIDE

COPY

DATE: June 20, 2016

INDUSTRY: Darigold, Inc.

**PORT OF SUNNYSIDE
 INDUSTRIAL WASTEWATER TREATMENT FACILITY
 USER CONTRACT
 SCHEDULE "A" - PAGE 1**

	HYDRAULIC DISCHARGE CONTRACTED		BIOCHEMICAL OXYGEN DEMAND		TOTAL NITROGEN		CHLORIDE		TOTAL PHOSPHORUS	
	SEE BELOW/FN1	MONTHLY TOTAL CUBIC FT	MONTHLY	TOTAL POUNDS	MONTHLY	TOTAL POUNDS	SEE BELOW FN 2	SEE BELOW FN 2	MONTHLY	TOTAL POUNDS
JANUARY		4,144,385		794,020		46,105				
FEBRUARY		3,877,005		742,790		43,130				
MARCH		4,144,385		794,020		46,105				
APRIL		4,010,695		768,405		44,615				
MAY		4,144,385		794,020		46,105				
JUNE		4,010,695		768,405		44,620				
JULY		4,144,385		794,020		46,105				
AUGUST		4,144,385		794,020		46,105				
SEPTEMBER		4,010,695		768,405		44,615				
OCTOBER		4,144,385		794,020		46,105				
NOVEMBER		4,010,695		768,405		44,615				
DECEMBER		4,144,385		794,020		46,105				
ANNUAL TOTAL		48,930,480		9,374,550		544,330				

THE FOLLOWING CONTAINS ALL WASTEWATER COMPONENTS WHICH MAY BE CONSIDERED TOXIC OR HAZARDOUS SUBSTANCES.

NOTES:

1. Debt Charges are based on monthly contract volumes; see user contract for access volumes.
2. The monthly flow-weighted average chloride concentration shall not exceed 150 mg/L.

THE CONTRACTED USER CERTIFIES THAT THE ABOVE SCHEDULE IS ACCURATE AND COMPLETE, AND THAT THE WASTEWATER SHALL NOT CONTAIN ANY TOXIC OR HAZARDOUS SUBSTANCES OTHER THAN THOSE LISTED ABOVE.

Clay Ansell
 DARIGOLD, INC.

[Signature]
 EXECUTIVE DIRECTOR, PORT OF SUNNYSIDE

Addendum to the Fact Sheet
For NPDES Permit WA0052078

DATE: Effective February 1, 2016
PORT OF SUNNYSIDE
INDUSTRIAL WASTEWATER TREATMENT FACILITY
USER CONTRACT
SCHEDULE "A" - PAGE 1
INDUSTRY: Darrigold, Inc.
COW Water Discharge to IWWTF Lagoon No. 4

MONTHLY TOTAL	HYDRAULIC DISCHARGE CONTRACTED	BIOCHEMICAL OXYGEN DEMAND	TOTAL SUSPENDED SOLIDS	TOTAL NITROGEN	TOTAL KJELDHAL NITROGEN	TOTAL NITROGEN	TOTAL PHOSPHORUS	TOTAL CHLORIDE	TOTAL DISSOLVED SOLIDS	TOTAL FIXED DISSOLVED SOLIDS
JANUARY	1,243,316	7,756	3,878	1,396	1,551	155	2,327	5,429	4,654	
FEBRUARY	1,163,132	7,256	3,628	1,306	1,451	145	2,177	5,079	4,353	
MARCH	1,243,316	7,756	3,878	1,396	1,551	155	2,327	5,429	4,654	
APRIL	1,203,239	7,506	3,753	1,351	1,501	150	2,252	5,254	4,504	
MAY	1,243,316	7,756	3,878	1,396	1,551	155	2,327	5,429	4,654	
JUNE	1,203,239	7,506	3,753	1,351	1,501	150	2,252	5,254	4,504	
JULY	1,243,316	7,756	3,878	1,396	1,551	155	2,327	5,429	4,654	
AUGUST	1,243,316	7,756	3,878	1,396	1,551	155	2,327	5,429	4,654	
SEPTEMBER	1,203,239	7,506	3,753	1,351	1,501	150	2,252	5,254	4,504	
OCTOBER	1,243,316	7,756	3,878	1,396	1,551	155	2,327	5,429	4,654	
NOVEMBER	1,203,239	7,506	3,753	1,351	1,501	150	2,252	5,254	4,504	
DECEMBER	1,243,316	7,756	3,878	1,396	1,551	155	2,327	5,429	4,654	
ANNUAL TOTAL	14,679,150	91,572	45,766	16,482	18,312	1,830	27,474	64,098	54,947	

MAXIMUM FLOW-WEIGHTED CONCENTRATION. See Note 1.
 165 mg/L
 60 mg/L
 45 mg/L
 50 mg/L
 3 mg/L
 50 mg/L
 150 mg/L
 100 mg/L

THE FOLLOWING CONTAINS ALL WASTEWATER COMPONENTS WHICH MAY BE CONSIDERED TOXIC OR HAZARDOUS SUBSTANCES.
 NOTES:
 1. Constituent loadings must be equal to or less than the monthly and annual masses, and the stipulated flow-weighted concentrations.
 2. The industry may exceed the monthly contracted volumes so long as the total discharge for the four consecutive months* of November through February is not in excess of 4,852,943 cubic feet.

THE CONTRACTED USER CERTIFIES THAT THE ABOVE SCHEDULE IS ACCURATE AND COMPLETE AND THAT THE WASTEWATER SHALL NOT CONTAIN ANY TOXIC OR HAZARDOUS SUBSTANCES OTHER THAN THOSE LISTED ABOVE.

CONTRACTED USER
 EXECUTIVE DIRECTOR, PORT OF SUNNYSIDE

DATE: _____

**PORT OF SUNNYSIDE
 INDUSTRIAL WASTEWATER TREATMENT FACILITY
 USER CONTRACT
 SCHEDULE "A" - PAGE 1**

Outfall 004 COWWater

INDUSTRY: Darigold, Inc. Draft

	HYDRAULIC DISCHARGE CONTRACTED SEE BELOW FOR MONTHLY TOTAL GALLONS	CHEMICAL OXYGEN DEMAND		TOTAL KJELDABL NITROGEN		MONTHLY TOTAL POUNDS	MONTHLY TOTAL POUNDS	MONTHLY TOTAL POUNDS	MONTHLY TOTAL POUNDS
		MONTHLY TOTAL POUNDS	MONTHLY TOTAL POUNDS	MONTHLY TOTAL POUNDS	MONTHLY TOTAL POUNDS				
JANUARY	9,300,650	11,752	1,396	1,396					
FEBRUARY	8,700,607	10,984	1,306	1,306					
MARCH	9,300,650	11,752	1,396	1,396					
APRIL	9,000,628	11,373	1,351	1,351					
MAY	9,300,650	11,752	1,396	1,396					
JUNE	9,000,628	11,373	1,351	1,351					
JULY	9,300,650	11,752	1,396	1,396					
AUGUST	9,300,650	11,752	1,396	1,396					
SEPTEMBER	9,000,628	11,373	1,351	1,351					
OCTOBER	9,300,650	11,752	1,396	1,396					
NOVEMBER	9,000,628	11,373	1,351	1,351					
DECEMBER	9,300,650	11,752	1,396	1,396					
ANNUAL TOTAL	109,807,669	130,750	16,482	16,482					

THE FOLLOWING CONTAINS ALL WASTEWATER COMPONENTS WHICH MAY BE CONSIDERED TOXIC OR HAZARDOUS SUBSTANCES.

NOTES:

- Capital Charges are based on monthly contract volumes; see user contract for excess volumes.
- The monthly flow-weighted average chloride concentrations shall not exceed 200 mg/L.

THE CONTRACTED USER CERTIFIES THAT THE ABOVE SCHEDULE IS ACCURATE AND COMPLETE AND THAT THE WASTEWATER SHALL NOT CONTAIN ANY TOXIC OR HAZARDOUS SUBSTANCES OTHER THAN THOSE LISTED ABOVE.

CONTRACTED USER

EXECUTIVE DIRECTOR,
 PORT OF SUNNYSIDE

Parameter	Units & Speciation	Minimum Sampling Frequency	Sample Type
d	To determine the daily average temperature and ammonia, use the temperature/ammonia value on the hour from the chart for the 24-hour period and calculate the average of the values. [or as determined by instrumentation]		
e	"1/week" means one time during each calendar week and on a rotational basis throughout the days of the week, except weekends and holidays.		
f	"Grab" means an individual sample collected over a 15-minute period, or less.		
g	24-hour composite samples shall be collected on days when an actual discharge is occurring.		
h	Grab samples triggered by total ammonia exceedances lasting more than 30 minutes as shown by continuous monitoring of Outfall # 001 final effluent.		
i	Total Nitrogen concentration calculated by adding together TKN and Nitrate/Nitrite concentrations.		
j	NTU means Nephelometric Turbidity Units.		
k	Samples shall be obtained concurrently with the sampling of NTU at the sump vault, at a location immediately upstream, or a location reasonably accessible upstream, of the discharge location.		

S2.B. Monitoring schedule for discharge to the Port of Sunnyside IWWTF (Outfall 002)

The Permittee must report results of monitoring performed by the Port of Sunnyside IWWTF. The permittee or the Port of Sunnyside IWWTF must monitor wastewater at the sampling point on the flume in accordance with the following schedule and the requirements specified in Appendix A.

Parameter	Units & Speciation	Minimum Sampling Frequency	Sample Type
(1) Wastewater Effluent			
Flow	Gallons / day	Continuous ^a	Flow meter ^b
Flow	Gallons / month	Monthly	Calculation
Flow	cubic feet / month	Monthly	Calculation
Flow (Annual Total)	cubic feet / year	Annual	Calculation

Addendum to the Fact Sheet
 For NPDES Permit WA0052078

Page 13 of 59
 Permit No. WA0052078
 Effective June 1, 2021

Parameter	Units & Speciation	Minimum Sampling Frequency	Sample Type
pH	Standard Units	1/week ^c	Grab ^d
BOD₅	mg/L	4/week	24-hour composite^e
BOD₅	lbs/month	Monthly	Calculation^f
BOD₅	lbs/year	Annual	Calculation
Chemical Oxygen Demand (COD)	mg/L	1/day ^g	24-hour composite
COD	lbs/day	1/day	Calculation
COD	lbs/month	Monthly	Calculation
COD	lbs/year	Annual	Calculation
Total Kjeldahl Nitrogen (TKN)	mg/L as Nitrogen (N)	2 4/week	24-hour composite
TKN	lbs/month	Monthly	Calculation
TKN	lbs/year	Annual	Calculation
Chloride	mg/L	1/week	24-hour composite
Chloride (Monthly Flow Weighted Average)	mg/L	Monthly	Calculation ^h
a	Continuous means uninterrupted except for brief lengths of time for calibration, power failure, or unanticipated equipment repair or maintenance. The time interval for the associated data logger must be no greater than 30 minutes. The Permittee must sample daily when continuous monitoring is not possible.		
b	Metered sampling for flow, Thermo Datalogger (or recorder) sampling for temperature, continuous pH Meter, and continuous total ammonia analyzer.		
c	"1/week" means one time during each calendar week and on a rotational basis throughout the days of the week, except weekends and holidays.		
d	"Grab" means an individual sample collected over a 15-minute period, or less.		
e	24-hour composite samples shall be collected on days when an actual discharge is occurring.		

Parameter	Units & Speciation	Minimum Sampling Frequency	Sample Type
f	Monthly lbs loading calculated: (Total gallons per month/1,000,000) x Avg monthly concentration x 8.34 If the flow value is originally in cubic feet, first covert to gallons: total gallons = total cubic feet x 7.48052		
g	"1/day" means one time during calendar day.		
h	Chloride Monthly Flow Weighted Average calculation: \sum [daily concentration x (daily flow in gal ÷ total monthly flow in gal)].		

S2.C. Monitoring schedule for discharge to Outfall 003

The Permittee must monitor Outfall #003 by calculating the volume of water based on measured weight in each tanker truck or using the in-line flow meter in accordance with the following schedule and the requirements specified in Appendix A.

Parameter	Units & Speciation	Minimum Sampling Frequency	Sample Type
(1) Wastewater Effluent			
Flow	gallons/day (gpd)	Continuous ^a	Calculation Flow meter ^b
Flow	gallons/month	Monthly	Calculation
a	Continuous means uninterrupted except for brief lengths of time for calibration, power failure, or unanticipated equipment repair or maintenance. The time interval for the associated data logger must be no greater than 30 minutes. The Permittee must sample daily when continuous monitoring is not possible.		
b	Metered sampling for flow, Thermo Datalogger (or recorder) sampling for temperature, continuous pH Meter, and continuous total ammonia analyzer.		

S2.D. Monitoring schedule for discharge to the Port of Sunnyside IWWTF Lagoon No. 4 (Outfall 004)

The Permittee must report results of monitoring performed by the Port of Sunnyside IWWTF. The permittee or the Port of Sunnyside IWWTF must monitor wastewater at the in-line sampling point at the control box for the

Addendum to the Fact Sheet
 For NPDES Permit WA0052078

Page 15 of 59
 Permit No. WA0052078
 Effective June 1, 2021

Outfall 001 and Outfall 004 splitter in accordance with the following schedule and the requirements specified in Appendix A.

Parameter	Units & Speciation	Minimum Sampling Frequency	Sample Type
(1) Wastewater Effluent			
Flow	gallons/day (gpd)	Continuous ^a	Flow meter ^b
Flow	Gallons / month	Monthly	Calculation
Flow	cubic feet/month	Monthly	Calculation
Flow (Annual Total)	cubic feet/year	Annual	Calculation
pH	Standard Units	1/week ^c	Grab ^d
BOD ₅ <i>COD</i>	mg/L	1/week	24-hour composite ^e
BOD ₅ <i>COD</i>	lbs/month	Monthly	Calculation ^f
BOD ₅ <i>COD</i>	lbs/year	Annual	Calculation
BOD₅ (Monthly Flow-Weighted Average)	mg/L	Monthly	Calculation ^g
Total Suspended Solids (TSS)	mg/L	1/week	24-hour composite
TSS	lbs/month	Monthly	Calculation ^f
TSS	lbs/year	Annual	Calculation
TSS (Monthly Flow-Weighted Average)	mg/L	Monthly	Calculation ^g
Total Kjeldahl Nitrogen (TKN)	mg/L as Nitrogen (N)	<i>2/month</i> 1/week	24-hour composite
TKN	lbs/month	Monthly	Calculation ^f
TKN	lbs/year	Annual	Calculation
TKN (Monthly Flow-Weighted Average)	mg/L as Nitrogen (N)	Monthly	Calculation ^g
Ammonia (Total)	mg/L	1/week	24-hour composite
Ammonia (Total)	lbs/month	Monthly	Calculation
Ammonia (Total)	lbs/year	Annual	Calculation

Addendum to the Fact Sheet
 For NPDES Permit WA0052078

Page 16 of 59
 Permit No. WA0052078
 Effective June 1, 2021

Parameter	Units & Speciation	Minimum Sampling Frequency	Sample Type
Ammonia (Total) (Monthly Flow Weighted Average)	mg/L	Monthly	Calculation^g
Nitrate plus Nitrite N	mg/l as N	1/week	24-hour composite
Nitrate plus Nitrite N	lbs/month	Monthly	Calculation^f
Nitrate plus Nitrite N	lbs/year	Annual	Calculation
Nitrate plus Nitrite N (Total) (Monthly Flow Weighted Average)	mg/L as N	Monthly	Calculation^f
Total Nitrogen	mg/L as N	1/week	Calculation^b
Total Nitrogen	lbs/month	Monthly	Calculation^f
Total Nitrogen	lbs/year	Annual	Calculation
Total Nitrogen (Monthly Flow Weighted Average)	mg/L as N	Monthly	Calculation^g
Total Phosphorus	mg/L as P	1/week	24-hour composite
Total Phosphorus	lbs/month	Monthly	Calculation^f
Total Phosphorus	lbs/year	Annual	Calculation
Total Phosphorus (Monthly Flow Weighted Average)	mg/L as P	Monthly	Calculation^g
Chloride	mg/L	1/week	24-hour composite
Chloride	lbs/month	Monthly	Calculation^f
Chloride	lbs/year	Annual	Calculation
Chloride (Monthly Flow Weighted Average)	mg/L	Monthly	Calculation^g
Total Dissolved Solids (TDS)	mg/L	1/week	24-hour composite
TDS	lbs/month	Monthly	Calculation^f
TDS	lbs/year	Annual	Calculation
TDS (Monthly Flow Weighted Average)	mg/L	Monthly	Calculation^g

Parameter	Units & Speciation	Minimum Sampling Frequency	Sample Type
Fixed-Dissolved Solids (FDS)	mg/L	1/week	24-hour composite
FDS	lbs/month	Monthly	Calculation ^f
FDS	lbs/year	Annual	Calculation
FDS (Monthly Flow-Weighted Average)	mg/L	Monthly	Calculation ^g
a	Continuous means uninterrupted except for brief lengths of time for calibration, power failure, or unanticipated equipment repair or maintenance. The time interval for the associated data logger must be no greater than 30 minutes. The Permittee must sample daily when continuous monitoring is not possible.		
b	Metered sampling for flow, Thermo Datalogger (or recorder) sampling for temperature, continuous pH Meter, and continuous total ammonia analyzer.		
c	"1/week" means one time during each calendar week and on a rotational basis throughout the days of the week, except weekends and holidays.		
d	"Grab" means an individual sample collected over a 15-minute period, or less.		
e	24-hour composite samples shall be collected on days when an actual discharge is occurring.		
f	Monthly lbs loading calculated: (Total gallons per month/1,000,000) x Avg monthly concentration x 8.34 If the flow value is originally in cubic feet, first covert to gallons: total gallons = total cubic feet x 7.48052		
g	Monthly, flow weighted, average concentration calculation: Σ [daily concentration x (daily flow in gal ÷ total monthly flow in gal)].		
h	Total Nitrogen concentration calculated by adding together TKN and Nitrate/Nitrite concentrations.		

S2.E. Sampling and analytical procedures

Samples and measurements taken to meet the requirements of this permit must represent the volume and nature of the monitored parameters,

Appendix D — Response to Comments

Ecology received comments from Darigold on April 12, 2024. Comments on the draft permit were received in the formal comment web portal and comments on the draft fact sheet addendum were received from Anthony Ashby to Matt Durkee via e-mail. Comments were minor in nature and concerned some typos in both the draft permit and fact sheet.

Darigold Draft Permit Comment #1:

There is a correction to be made to "Outfall 003" in the following paragraph:

S2. Monitoring requirements

S2.A. Monitoring schedule for discharge to JD 33.4 (Outfall 001)

The Permittee must monitor Outfall #001 at the in-line sampling point at the control box for the Outfall 001 and Outfall 003 (Outfall 003 should be replaced with Outfall 004 which is the Port of Sunnyside's Lagoon 4).

Ecology's response to Comment #1:

Changed Outfall 003 to Outfall 004, typo was due to an Outfall numbering change that was missed in this section during original development of the permit.

Darigold Draft Fact Sheet Comment #1:

Section 5. Permit Limits and Conditions, NPDES Outfall 001: COD is not in the S2 monitoring table (original or new) or SAW.

Ecology's response to Comment #1:

Moved the sentence in question to the next main bulleted section as the documented change was for Outfall 002 and not Outfall 001 as presented in the draft fact sheet addendum.

Darigold Draft Fact Sheet Addendum Comment #2:

Section 5 Permit Limits and Conditions, NPDES Outfall 001: Composite sample is used for normal compliance date, grab sample is only used for "total Ammonia exceedances lasting more than 30 minutes as shown by continuous monitoring" outfall 001 monitoring schedule footnote.

Ecology's response to Comment #2:

Changed the sentence to match the information provided in Darigold's comment.

Addendum to the Fact Sheet
For NPDES Permit WA0052078

Darigold Draft Fact Sheet Addendum Comment #3:

Section 5 Permit Limits and Conditions, Outfall 002 and Outfall 004: COD was not on original permit. Is on new permit and is lbs/day

Ecology's response to Comment #3:

Removed this bulleted sentence per the comment as COD was not in the original permit for Outfall 004.

Darigold Draft Fact Sheet Addendum Comment #4:

Section 5 Permit Limits and Conditions, amending monitoring associated with the industrial user contracts: Outfall 002 is supposed to 2/week. It is correct in the monitoring schedule in the new permit.

Ecology's response to Comment #4:

Changed the bulleted sentence to:

- *Reducing the Outfall 002 Total Kjeldahl Nitrogen (TKN) monitoring from 4/week to 2/week.*
- *Reducing the Outfall 004 Total Kjeldahl Nitrogen (TKN) monitoring from 1/week to 2/month.*

Darigold Draft Fact Sheet Addendum Comment #5:

Section 5 Permit Limits and Conditions, amending monitoring associated with the industrial user contracts: I'm not sure what this means (regarding a bulleted incomplete and unfinished sentence).

Ecology's response to Comment #5:

Removed the bulleted incomplete and unfinished sentence.