



Jolly, Becky <becky.jolly@dnr.iowa.gov>

Re: [EXTERNAL] Re: Request for Permit Amendment – Addition of Soybean Oil Waste Stream (Permit No. 66-SDP-06-16P)

1 message

Stiner, Theresa <theresa.stiner@dnr.iowa.gov>

Thu, Sep 4, 2025 at 1:47 PM

To: "Daneshvar, Hessam" <Hessam.Daneshvar@valentbiosciences.com>

Cc: "Shirley, Daniel" <Daniel.Shirley@valentbiosciences.com>, "Hogan, Jerry" <Jerald.Hogan@valentbiosciences.com>, "Hyuseinov, Ertan" <Ertan.Hyuseinov@valentbiosciences.com>, Becky Jolly <becky.jolly@dnr.iowa.gov>

Mr. Hessam,

We have logged the letter that was emailed on August 8 as a request for a permit amendment. My indication that the waste should be eligible was just based on my phone conversation with Frank Moore. I cannot approve the material without the analysis.

Theresa Stiner, CPM**Environmental Specialist Senior**

Solid Waste and Contaminated Sites Section

Iowa Department of Natural Resources

6200 Park Ave. Ste 200, Des Moines, IA 50321

515-721-7979 mobile

Theresa.Stiner@dnr.iowa.govwww.iowadnr.govOn Thu, Sep 4, 2025 at 10:18 AM Daneshvar, Hessam <Hessam.Daneshvar@valentbiosciences.com> wrote:

Dear Ms. Stiner,

Thank you for your message and for outlining the technical requirements related to the evaluation process.

As a follow-up to your previous correspondence with Dan Shirley — and your confirmation that **“soybean oil should be fine. As I discussed with Frank you will need to request a permit amendment to add the new waste stream”** — the attached Letter of Intent has been submitted in direct response to that guidance.

At this stage, our intent is to formally initiate the amendment request process, in accordance with your direction. Please review the attached letter and let us know if any additional documentation is required to move forward. We will await your further instructions regarding next steps.

Thanks again for your support and guidance.

Best regards,

Hessam Daneshvar, MSc., CLSSBB | Sr. Quality Manager

2142 350th Street | Osage, IA 50461

Office: 641-832-3667 | Mobile: 515-230-3424

Email: Hessam.Daneshvar@valentbiosciences.com

Website: www.valentbiosciences.com

From: Stiner, Theresa <theresa.stiner@dnr.iowa.gov>

Sent: Thursday, September 4, 2025 9:16 AM

To: Daneshvar, Hessam <Hessam.Daneshvar@valentbiosciences.com>

Cc: Shirley, Daniel <Daniel.Shirley@valentbiosciences.com>; Hogan, Jerry <Jerald.Hogan@valentbiosciences.com>; Hyuseinov, Ertan <Ertan.Hyuseinov@valentbiosciences.com>; Becky Jolly <becky.jolly@dnr.iowa.gov>

Subject: [EXTERNAL] Re: Request for Permit Amendment – Addition of Soybean Oil Waste Stream (Permit No. 66-SDP-06-16P)

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Hi Mr. Hessam,

In order to evaluate the material for land application, I will need an analysis that includes the following: total residue; volatile residue; pH; total nitrogen¹; NH₃-N¹; NO₃-N¹; total phosphorus¹; potassium¹; the following metals¹: Arsenic (As), Cadmium (Cd), Chromium (Cr), Copper (Cu), Mercury (Hg), Molybdenum (Mo), Nickel (Ni), Lead (Pb), Selenium (Se), Zinc (Zn).

I will also need to know the application rate you are proposing.

Also, does this material pass a paint filter test (no free liquids)? If not, is it a result of wastewater treatment?

Please feel free to give me a call if you have any questions.

Theresa Stiner, CPM

Environmental Specialist Senior

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On Fri, Aug 8, 2025 at 8:27 AM Daneshvar, Hessam <Hessam.Daneshvar@valentbiosciences.com> wrote:

Dear Ms. Stiner,

I hope this message finds you well.

Attached is our formal Letter of Intent requesting an amendment to our existing land application permit (Permit No. 66-SDP-06-16P) to include a new waste stream that may contain residual edible soybean oil. This request follows the guidance you provided during your recent discussion with Dan Shirley.

As outlined in the letter, the proposed change is related to occasional off-spec batches from our fermentation process that may contain residual amounts of USP-grade soybean oil. All other waste characteristics and monitoring practices will remain compliant with IAC 567-121.

Please let us know if any additional documentation is needed to complete your review. We are happy to provide anything required.

Thank you for your continued support and guidance. We look forward to your response and the next steps in the amendment process.

Best regards,

Hessam Daneshvar, MSc., CLSSBB | Sr. Quality Manager



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