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8 Attorneys for GS CLEANTECH
CORPORATION

9 UNITED STATES DISTRICT COURT
10 EASTERN DISTRICT OF CALIFORNIA, SACRAMENTO DIVISION

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12 GS CLEANTECH CORPORATION,
13 Plaintiff,
14 v.
15 PACIFIC ETHANOL, INC.,
16 Defendant.

Case No.
COMPLAINT
DEMAND FOR JURY TRIAL

17
18 **COMPLAINT FOR PATENT INFRINGEMENT**

19 Plaintiff, GS CleanTech Corporation, for its Complaint, does hereby, through its attorneys,
20 allege as follow:

21 **I.**
22 **THE PARTIES**

23 1. Plaintiff, GS CleanTech Corporation (hereinafter "GS CleanTech"), is a Delaware
24 corporation having its principal place of business at 1 Penn Plaza, Suite 1612, New York, New York
25 10119. GS CleanTech is a wholly-owned subsidiary of GreenShift Corporation (hereinafter
26 "GreenShift"), a Delaware corporation having its principal place of business at 1 Penn Plaza, Suite
27 1612, New York, New York 10119.

28 2. Upon information and belief, Defendant Pacific Ethanol, Inc. (hereinafter "PEI") is a

1 Delaware company having its principal place of business at 400 Capitol Mall, Suite 2060, Sacramento,
2 California 95814.

3 **II.**
4 **JURISDICTION**

5 3. This is a claim for patent infringement and arises under the patent laws of the United
6 States, Title 35 of the United States Code. This Court has original jurisdiction over the subject matter
7 of this claim under 28 U.S.C. §§ 1331 and 1338(a).

8 4. The Court has personal jurisdiction over PEI because, upon information and belief and
9 among other things, it resides in and/or directly, or indirectly through its agents, transacts business in
10 this judicial District, has committed acts within this judicial District giving rise to this action and/or at
11 least by offering to sell, selling, purchasing, and/or advertising the infringing products and/or placing
12 them into the stream of commerce in such a way as to reach customers in this judicial District, and/or
13 because it has sufficient minimum contacts with this judicial District. Requiring PEI to respond to this
14 action will not violate due process.

15 **III.**
16 **VENUE**

17 5. Upon information and belief, PEI resides in this judicial District, directly, or indirectly
18 through its agents, transacts business in this judicial District and/or has committed acts within this
19 judicial District giving rise to this action. Venue is proper in this judicial District under 28 U.S.C. §§
20 1391(b), (c) and 1400(b).

21 **IV.**
22 **BACKGROUND FACTS**

23 6. GS CleanTech is the owner by assignment of United States Patent No. 7,601,858,
24 entitled "Method Of Processing Ethanol Byproducts And Related Subsystems," issued on October 13,
25 2009 (the "858 patent"). A true and correct copy of the '858 patent is attached hereto as Exhibit A.
26 The '858 patent issued from a patent application originally filed on May 5, 2005 as Serial No.
27 11/122,859 (the "859 application") and published on February 23, 2006 as U.S. Patent Application
28 Publication 2006/0041152. See Exhibit A. Both the '858 patent and the '859 application claim
priority to GS CleanTech's first patent application related to its novel corn oil extraction methods and

1 systems, which was filed in August of 2004 as a provisional application (Serial No. 60/602,050) (the
2 "'050 provisional application"). Id. The '858 patent and the '859 patent application are generally
3 directed to the recovery of corn oil from the byproducts produced during the manufacture of ethanol
4 from corn. Id.

5 7. GS CleanTech has standing to sue for infringement of the '858 patent because it owns
6 all right, title and interest in and to the patents-in-suit, including the right to collect for past and future
7 damages. GS CleanTech has suffered injury from Defendant's acts of patent infringement.

8 8. GS CleanTech invented a novel patented process to extract corn oil from the
9 byproducts created during the manufacture of ethyl alcohol. This process is claimed in the '858
10 patent.

11 9. Recently, significant attention has been given to the production of ethyl alcohol, or
12 "ethanol," for use as an alternative fuel. Ethanol not only burns cleaner than fossil fuels, but also can
13 be produced using grains such as corn, which are abundant and renewable domestic resources.

14 10. In the United States, ethanol is typically produced from corn. Corn contains significant
15 amounts of sugar and starch, which are fermented to produce ethanol.

16 11. A popular method of producing ethanol is known as "dry milling," whereby the starch
17 in the corn is used to produce ethanol through fermentation. In a typical dry milling method, the
18 process starts by grinding each kernel of corn into meal, which is then slurried with water into mash.
19 Enzymes are added to the mash to convert the starch to sugar. Yeast is then added in fermentors to
20 convert the sugar to ethanol and carbon dioxide. After fermentation, the mixture is transferred to
21 distillation columns where the ethanol is evaporated and recovered as product, leaving an intermediate
22 product called "whole stillage." The whole stillage contains the corn oil and the parts of each kernel
23 of corn that were not fermented into ethanol.

24 12. Despite containing valuable corn oil, the whole stillage has traditionally been treated as
25 a byproduct of the dry milling fermentation process and used primarily to supplement animal feed
26 mostly in the form of a product called "dried distillers grains with solubles" (hereinafter "DDGS").

27 13. Prior to GS CleanTech's invention, efforts to recover the valuable corn oil from the
28 whole stillage had not been successful in terms of efficiency or economy. A need therefore existed for

1 a more efficient and economical manner of recovering corn oil. GS CleanTech has filled that need
2 with its novel and inventive process.

3 14. The inventors of the novel process, David Cantrell and David Winsness, completed
4 feasibility testing with an early-stage corn oil extraction prototype in 2004 and demonstrated, for the
5 first time, that efficient extraction of the corn oil trapped in the dry milling byproducts was
6 economically feasible.

7 15. In August of 2004, the inventors filed the '050 provisional application directed to their
8 novel corn oil extraction methods and systems. The patents-in-suit claims priority back to the '050
9 provisional application.

10 16. In one embodiment, GS CleanTech's patented method comprises initially processing
11 the whole stillage by mechanically separating (such as by using a centrifugal decanter) the whole
12 stillage into distillers wet grains and thin stillage, and then introducing the thin stillage into an
13 evaporator to form a concentrated byproduct or "syrup." Prior to recombining the now concentrated
14 syrup with the distillers wet grains, the syrup is introduced into a second mechanical separator, such as
15 a second centrifuge, which is different from the centrifuge that mechanically separated the whole
16 stillage into distillers wet grains and thin stillage. This second centrifuge separates corn oil from the
17 syrup thereby allowing for the recovery of usable corn oil. The syrup that exits the centrifuge is then
18 recombined with the distillers wet grain and dried in a dryer to form the DDGS. The corn oil that is
19 extracted from the syrup can be used for various purposes such as feedstock for producing biodiesel.

20 17. After filing the '050 provisional application in 2004, the inventors of GS CleanTech's
21 novel corn oil extraction method began to engage the ethanol manufacturing industry to explain and
22 market the corn oil extraction method itself and the benefits to be had by ethanol manufacturers if they
23 were to install these systems in their facilities. In fact, in 2005, the inventors invited ethanol
24 manufacturers to a symposium to hear about the advantages of this method and about 30 percent of the
25 industry attended.

26 18. Upon information and belief, PEI infringes, and will continue to infringe, the '858
27 patent by virtue of the corn oil separation technology in use at one or more of its production facilities,
28 including the facility located in Stockton, California.

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V.
COUNT 1 – INFRINGEMENT OF U.S. PATENT NO. 7,601,858

19. GS CleanTech repeats and realleges paragraphs 1-18, above, as though fully set forth herein.

20. PEI infringes and will continue to infringe one or more of the claims of the '858 patent by, among other activities, practicing the claimed methods and/or processes.

21. PEI's infringement has injured GS CleanTech, and GS CleanTech is entitled to recover damages adequate to compensate it for such infringement.

22. PEI's infringement has been willful, deliberate, and objectively reckless.

23. PEI's infringing activities have injured and will continue to injure GS CleanTech, unless and until this Court enters an injunction prohibiting further infringement and, specifically, enjoining further manufacture, use, sale, importation, and/or offer for sale of products or practice of any methods and/or processes that come within the scope of the claims of the '858 patent.

VI.
PRAAYER FOR RELIEF

1. WHEREFORE, GS CleanTech respectfully asks this Court to enter judgment against PEI and against its respective subsidiaries, successors, parents, affiliates, officers, directors, agents, servants and employees, and all persons in active concert or participation with it, granting the following relief:

2. The entry of judgment in favor of GS CleanTech and against PEI;

3. A preliminary injunction prohibiting further infringement of the '858 patent;

4. A permanent injunction prohibiting further infringement of the '858 patent;

5. An award of damages adequate to compensate GS CleanTech for the infringement that has occurred, but in no event less than a reasonable royalty for the use made of the inventions of the '858 patent as provided in 35 U.S.C. § 284, together with prejudgment interest from the date the infringement began;

6. An award to GS CleanTech of all remedies available under 35 U.S.C. § 284;

7. An award to GS CleanTech of all remedies available under 35 U.S.C. § 285; and

8. Such other relief to which GS CleanTech is entitled under law, and any other and

1 further relief that this Court or a jury may deem just and proper.

2 **VII.**
3 **DEMAND FOR JURY TRIAL**

4 Pursuant to Fed. R. Civ. P. 38(b), GS CleanTech demands a trial by jury on all issues so
5 triable.

6 DATED: May 24, 2013

7 WILKE, FLEURY, HOFFELT,
8 GOULD & BIRNEY, LLP

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10 By: Megan A. Lewis
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