

1 **1. INTRODUCTION**

2 1.1 On September 2, 2008, the People of the State of California ("People"), by and
3 through the Attorney General of the State of California ("Attorney General"), the Los Angeles
4 City Attorney, and the Solano County District Attorney, filed a complaint for civil penalties and
5 injunctive relief for violations of Proposition 65 and unlawful business practices in the Superior
6 Court for the County of Alameda. The People's Complaint alleges that the named Defendants
7 failed to provide clear and reasonable warnings that their artificial turf products (the "Products")
8 contain lead, and that use of, and contact with, those Products results in exposure to lead, a
9 chemical known to the State of California to cause cancer and reproductive harm. The Complaint
10 further alleges that under the Safe Drinking Water and Toxic Enforcement Act of 1986, Health
11 and Safety Code section 25249.6, also known as "Proposition 65," businesses must provide
12 persons with a "clear and reasonable warning" before exposing individuals to these chemicals,
13 and that the Defendants failed to do so. The Complaint also alleges that these acts constitute
14 unlawful acts in violation of the Unfair Competition Law, pursuant to Business and Professions
15 Code sections 17200 *et seq.* and 17500 *et seq.* ("UCL").

16 1.2 Fieldturf USA, Inc. ("FieldTurf") is among the Defendants named in the
17 complaint.

18 1.3 FieldTurf is a corporation that employs more than 10 persons and employed ten or
19 more persons at all times relevant to the allegations of the complaint, and that manufactures,
20 distributes, and/or sells Products in the State of California or has done so in the past.

21 1.4 For purposes of this Consent Judgment only, the People and the FieldTurf stipulate
22 that this Court has jurisdiction over the allegations of violations contained in the People's
23 Complaint and personal jurisdiction over FieldTurf as to the acts alleged in the People's
24 Complaint, that venue is proper in Alameda County, and that this Court has jurisdiction to enter
25 this Consent Judgment as a full and final resolution of all claims that were or could have been
26 raised in the Complaint based on the facts alleged therein.

27 1.5 The People and FieldTurf enter into this Consent Judgment as a full and final
28 settlement of all claims relating to Covered Products (as that term is defined below) arising from

1 the failure to warn regarding the presence of lead in Covered Products. By execution of this
2 Consent Judgment and agreeing to provide the relief and remedies specified herein, FieldTurf
3 does not admit any violations of Proposition 65 or the UCL or any other law or legal duty. Except
4 as expressly set forth herein, nothing in this Consent Judgment shall prejudice, waive or impair
5 any right, remedy, or defense the People and FieldTurf may respectively have in any other or in
6 future legal proceedings unrelated to these proceedings. However, this Paragraph shall not
7 diminish or otherwise affect the obligations, responsibilities, and duties of the parties under this
8 Consent Judgment, or the *res judicata* impacts of this Consent Judgment on other litigation
9 brought under Proposition 65.

10 **2. DEFINITIONS**

11 2.1 "Effective Date" means the date on which this Consent Judgment is entered by the
12 Court.

13 2.2 "Covered Product" means an artificial turf system installed in California that is
14 manufactured or distributed by FieldTurf, and the components of such system, including but not
15 limited to fiber, backing, and cushioning. "Covered Product" does not include granular
16 cushioning products (for example, crumb, tire crumb sand or synthetic sand.)

17 2.3 "Old Covered Product" means a Covered Product that was installed in California
18 prior to November 2003. Field Turf represents that its turf fibers sold in the State of California in
19 and after November 2003 have uniformly had a lead content of less than 100 ppm.

20 **3. INJUNCTIVE RELIEF**

21 3.1 **Lead Content.** On and after the Effective Date, FieldTurf shall not (i) install in
22 California, or (ii) distribute, donate, offer for sale or sell for installation in California, any
23 Covered Products which contain lead in excess of 50 parts per million (ppm). Compliance with
24 this Section 3.1 shall be determined by EPA Methods 3050B and 6010c or 6020A, or equivalent
25 methods of analysis.

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1 **3.2 Customer Communications:** FieldTurf shall send a letter in substantially the
2 same form as Exhibit A.1 to those Customers ("Customer" means the owner or operator of a
3 Covered Product) who have Old Covered Products in place on their premises in California as of
4 the Effective Date. Field Turf shall provide its authorized distributors and retailers
5 ("Distributors") with copies of this Consent Judgment, to the extent that it can locate these
6 Distributors after employing reasonable efforts. In order to qualify for the protections set forth in
7 Section 8.1 of this Judgment (Full and Binding Resolution), each Distributor must send a letter in
8 substantially the same form as Exhibit A.2 to those of its Customers who have Old Covered
9 Products in place on their premises in California as of the Effective Date.

10 **3.3 Discounted Replacement of Certain Old Covered Products.**

11 3.3.1 Subject to its option to perform maintenance under Section 3.3.4, FieldTurf
12 shall offer a new artificial turf system at a Discount Replacement Cost, as specified in
13 Section 3.3.2, for any Old Covered Product if:

14 (a) Lead Transfer Testing conducted pursuant to Exhibit B shows
15 Available Lead Levels on the Old Covered Product in excess of 0.1 micrograms per
16 square centimeter per wipe; and

17 (b) The Customer purchased the turf product from Field Turf (rather
18 than from an authorized distributor) and the Customer requests in writing that the Old
19 Covered Product be replaced at the Discounted Replacement Cost prior to the
20 expiration of the warranty for the Old Covered Product, and the Old Covered Product
21 has not been previously replaced or removed.

22 3.3.2 The Discounted Replacement Cost shall be determined by multiplying the
23 Customer's cost of replacing the Old Covered Product with an equivalent new Covered
24 Product by the ratio of the number of months between the date that installation of the Old
25 Covered Product was substantially completed and the date of the request by the Customer
26 for a discounted replacement, divided by the number of months in the warranty period.
27 FieldTurf represents that the warranty periods for its Old Covered Products were never
28 less than eight (8) years.

1 3.3.3 FieldTurf's liability for Discounted Replacement Cost shall not exceed the
2 cost of installing 100,000 square yards of replacement Covered Product.

3 3.3.4 At its option, upon receiving a written request to replace an Old Covered
4 Product, FieldTurf may perform recommended maintenance procedures on the Old
5 Covered Product and re-test the Old Covered Product pursuant to the Lead Transfer
6 Testing protocol included in Exhibit B. If the re-test does not exceed 0.1 micrograms per
7 square centimeter per wipe, FieldTurf shall not be required to replace the Old Covered
8 Product, but shall perform recommended maintenance for the Old Covered Product at its
9 recommended intervals until the expiration of the warranty period for the Old Covered
10 Product. If the re-test does exceed 0.1 micrograms per square centimeter per wipe,
11 FieldTurf shall replace the Old Covered Product pursuant to the terms and conditions set
12 forth above.

13
14 **4. PAYMENTS**

15 4.1 **Civil Penalties.** Within 30 days of the Effective Date, FieldTurf shall pay a civil
16 penalty of \$ 22,500 pursuant to California Health & Safety Code sections 25249.7(b) and
17 25249.12. Pursuant to section 25249.12, 75% of these funds shall be remitted to the California
18 Office of Environmental Health Hazard Assessment ("OEHHA"), and the remaining 25%
19 apportioned evenly among the Attorney General, the Los Angeles City Attorney, and the Solano
20 County District Attorney.

21 4.2 **Cy Pres.** Within 30 days of the Effective Date, Defendant shall make cy pres
22 payments in the aggregate amount of \$ 75,000 to be distributed as follows:

23 4.2.1 FieldTurf shall pay \$50,000 to the California Public Health Trust. These
24 funds shall be used, as the Trust directs after conferring with the People, for some or all of
25 the following:

26 (a) To fund independent testing, which shall be conducted pursuant
27 to the protocol attached as Exhibit B (Lead Transfer Testing), of Old Covered Products
28 currently installed in California.

1 (b) For research into Good Maintenance Practices, including the
2 feasibility of applying stabilizers to Old Covered Products in order minimize lead
3 transfer from those products.

4 (c) To provide funding for an independent consultant, who will
5 provide information to schools, municipalities and other locations in California where
6 Old Covered Products are installed, regarding independent testing and Good
7 Maintenance Practices for such products.

8 (d) For other projects or grants for the purposes of reducing, or
9 educating the public about, lead in consumer products.

10 (e) Any process undertaken by the Public Health Trust to identify
11 and choose the entity(ies) that will receive any grant to be awarded under this Judgment
12 must be open to public scrutiny and subject to public notice and comment. Any use of
13 funds must be approved by the Attorney General.

14 (f) In order to minimize any duplication of effort, the Public Health
15 Trust will coordinate the expenditure of funds received pursuant to this Judgment with
16 any expenditures made pursuant to (i) judgments with other defendants in this case and
17 (ii) judgments in other cases in which the Attorney General has alleged that lead in
18 present in consumer products.

19 4.2.2 Within 30 days of the Effective Date, FieldTurf shall pay \$ 25,000 to the
20 Office of Environmental Health Hazard Assessment (OEHHA), to be deposited into
21 OEHHA' Proposition 65 Fund, to be used, on appropriation of the Legislature, to fund to
22 fund a study or studies relating to Artificial Turf products, including potentially hazardous
23 chemicals in Infill Products. OEHHA shall coordinate these studies with studies that it
24 may conduct pursuant to SB 1277 (Maldonado).

25 4.3 **Other Payments.** Within 30 days of the Effective Date, FieldTurf shall also make
26 the following payments:

27 4.3.1 **Attorney General.** Defendant shall pay \$25,000 to the Attorney General,
28 to reimburse the fees and costs his office has expended with respect to this matter. Funds

1 paid pursuant to this paragraph shall be placed in an interest-bearing Special Deposit Fund
2 established by the Attorney General. These funds, including any interest, shall be used by
3 the Attorney General, until all funds are exhausted, for the costs and expenses associated
4 with the enforcement and implementation of Proposition 65, including investigations,
5 enforcement actions, other litigation or activities as determined by the Attorney General to
6 be reasonably necessary to carry out his duties and authority under Proposition 65. Such
7 funding may be used for the costs of the Attorney General's investigation, filing fees and
8 other court costs, payment to expert witnesses and technical consultants, purchase of
9 equipment, travel, purchase of written materials, laboratory testing, sample collection, or
10 any other cost associated with the Attorney General's duties or authority under
11 Proposition 65. Funding placed in the Special Deposit Fund pursuant to this Paragraph,
12 and any interest derived therefrom, shall solely and exclusively augment the budget of the
13 Attorney General's Office and in no manner shall supplant or cause any reduction of any
14 portion of the Attorney General's budget.

15 **4.3.2 City Attorney and Solano County District Attorney.** FieldTurf pay
16 \$25,000 to the Los Angeles City Attorney and \$20,000 to the Solano County District
17 Attorney to defray the attorneys' fees and costs these offices have expended with respect
18 to this matter.

19 **4.3.3 Center for Environmental Health/Other Private Parties.** Pursuant to
20 Health & Safety Code section 25249.7(j), FieldTurf shall pay \$45,000 to the Center for
21 Environmental Health. These payments represent full compensation for the assistance
22 that CEH has provided to the People and the fees and costs that it has incurred with
23 respect to this matter.

24 **4.4** Each payment required by this Consent Judgment shall be made through the
25 delivery of separate checks payable to the applicable person, as follows:

26 **4.4.1 Attorney General.** Payments due to the Attorney General shall be made
27 payable to the "California Department of Justice," and sent to the attention of Robert
28

1 Thomas, Legal Analyst, Department of Justice, 1515 Clay Street, 20th Floor, Oakland,
2 CA 94612.

3 4.4.2 City Attorney. Payments due to the City Attorney shall be made payable to
4 the "Office of the Los Angeles City Attorney" and sent to: Patty Bilgin, Supervising
5 Attorney, Environmental Justice Unit, Office of the Los Angeles City Attorney 200 North
6 Main Street, 500 City Hall East, Los Angeles, California 90012-4131.

7 4.4.3 Solano County District Attorney. Payments due to the Solano County
8 District Attorney shall be made payable to the "Office of the Solano County District
9 Attorney" and sent to: Criselda B. Gonzalez, Senior Deputy District Attorney, Office of
10 the Solano County District Attorney, 675 Texas Street, 4th Floor, Suite 4500, Fairfield
11 CA 94533-6396.

12 4.4.4 Office of Environmental Health Hazard Assessment. Payments due to
13 OEHHA shall be made payable to the Office of Environmental Health Hazard Assessment
14 and sent to: Beverly Sloan, Senior Accounting Officer, Office of Environmental Health
15 Hazard Assessment, P.O. Box 4010, Sacramento, CA 95812-0410.

16 4.4.5 Center for Environmental Health. The payment due to the Center for
17 Environmental Health shall be made payable to the Lexington Law Group and sent to:
18 Mark N. Todzo, Lexington Law Group, LLP, 1627 Irving Street, San Francisco, CA
19 94122.

20 4.4.6 Copies of checks. FieldTurf will cause copies of each and every check
21 issued pursuant to this Judgment to be sent to: Dennis A. Ragen, Deputy Attorney
22 General, 110 West A. Street, Suite 1100, San Diego, California 92101

23 **5. MODIFICATION OF CONSENT JUDGMENT**

24 5.1 This Consent Judgment may be modified from time to time by express written
25 agreement of the Parties with the approval of the Court; by an order of this Court on noticed
26 motion from the People or Defendant in accordance with law; or by the Court in accordance with
27 its inherent authority to modify its own judgments.

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1 5.2 Before filing an application with the Court for a modification to this Consent
2 Judgment, the Party seeking modification shall meet and confer with the other Party to determine
3 whether the modification may be achieved by consent. If a proposed modification is agreed upon,
4 then FieldTurf and the Attorney General will present the modification to the Court by means of a
5 stipulated modification to the Consent Judgment.

6 **6. ENFORCEMENT**

7 6.1 The People may, by motion or application for an order to show cause before this
8 Court, enforce the terms and conditions contained in this Consent Judgment. In any such
9 proceeding, the People may seek whatever fines, costs, penalties, or remedies are provided by law
10 for failure to comply with the Consent Judgment and where said violations of this Consent
11 Judgment constitute subsequent violations of Proposition 65 or other laws independent of the
12 Consent Judgment and/or those alleged in the Complaint, the People are not limited to
13 enforcement of the Consent Judgment, but may seek in another action whatever fines, costs,
14 penalties, or remedies are provided for by law for failure to comply with Proposition 65 or other
15 laws. In any action brought by the People or another enforcer alleging subsequent violations of
16 Proposition 65 or other laws, FieldTurf may assert any and all defenses that are available,
17 including the *res judicata* or collateral estoppel effect of this Consent Judgment.

18 **7. AUTHORITY TO STIPULATE TO CONSENT JUDGMENT**

19 7.1 Each signatory to this Consent Judgment certifies that he or she is fully authorized
20 by the Party he or she represents to stipulate to this Consent Judgment and to enter into and
21 execute the Consent Judgment on behalf of the Party represented and legally to bind that Party.

22 **8. CLAIMS COVERED**

23 8.1 **Full and Binding Resolution.** This Consent Judgment is a full, final, and binding
24 resolution between the People and FieldTurf and its parents, shareholders, divisions, subdivisions,
25 subsidiaries, partners, sister companies, and affiliates, and their successors and assigns
26 (“Defendant Releasees”), and all entities to whom they distribute or sell Covered Products,
27 including but not limited to distributors, wholesalers, customers, installers and any entity that
28 maintains or operates a facility at which the Covered Products are installed (“Downstream

1 Defendant Releasees”), of any violation of Proposition 65, the UCL, or any other statutory or
2 common law claims that have been or could have been asserted in the Complaint against
3 FieldTurf, Defendant Releasees, and Downstream Defendant Releasees, for failure to provide
4 clear and reasonable warnings of exposure to lead from the use of the Covered Products
5 Compliance with the terms of this Consent Judgment resolves any issue now, in the past, and in
6 the future, concerning compliance by FieldTurf, Defendant Releasees, and Downstream
7 Defendant Releasees with the requirements of Proposition 65 or the UCL arising from exposures
8 to lead in or from the Covered Products.

9 8.2 This Consent Judgment does not resolve any claims that the People may assert
10 with respect to:

- 11 (a) Products other than the Covered Products;
- 12 (b) Chemicals other than lead.

13 8.3 Further Reservations: Without limiting the rights reserved to Plaintiffs in the
14 preceding paragraphs, Plaintiffs also reserve the right to assert claims against any Defendant
15 Releasee or Downstream Defendant Releasee who after the Effective Date of this Judgment: (i)
16 sells Covered Products that contain lead levels in excess of the applicable levels set forth in
17 Section 3.1 of this Judgment (Lead Content), (ii) fails to provide its customers with the letter
18 required by Section 3.2 (Customer Communications) within 60 days of receiving a copy of this
19 Consent Judgment; or (iii) otherwise fails to comply with, or impedes the efforts of others to
20 comply with, the applicable terms of this Consent Judgment.

21 9. ONGOING INVESTIGATION

22 9.1 The People are conducting an ongoing investigation of lead and other chemicals in
23 artificial turf and related products sold by companies other than FieldTurf. In connection with
24 this investigation, FieldTurf will, upon reasonable notice, provide the People with information,
25 product samples, and other information and materials within their possession, custody or control,
26 or that are readily available to it, relevant to such investigation, except to the extent that such
27 information is privileged or otherwise protected from disclosure.

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1 **10. PROVISION OF NOTICE**

2 10.1 When any Party is entitled to receive any notice under this Consent Judgment, the
3 notice shall be sent by overnight courier service to the person and address set forth in this
4 Paragraph. Any Party may modify the person and address to whom the notice is to be sent by
5 sending each other Party notice by certified mail, return receipt requested. Said change shall take
6 effect for any notice mailed at least five days after the date the return receipt is signed by the
7 Party receiving the change.

8 10.2 Notices shall be sent by First Class Mail or overnight delivery to the following
9 when required:

10 For the Attorney General:

11 Dennis A. Ragen, Deputy Attorney General
12 California Department of Justice
13 110 West A. Street, Suite 1100
14 San Diego, CA 92101
15 Dennis.Ragen@doj.ca.gov
16 Telephone: (619) 645-2016
17 Facsimile: (619) 645-2012

18 and simultaneously to:

19 Robert Thomas, Legal Analyst,
20 Department of Justice,
21 1515 Clay Street, 20th Floor,
22 Oakland, CA 94612
23 Robert.Thomas@doj.ca.gov

24 For the Los Angeles City Attorney

25 Patty Bilgin, Supervising Attorney, Environmental Justice Unit
26 Office of the Los Angeles City Attorney
27 200 North Main Street, 500 City Hall East
28 Los Angeles, California 90012-4131
29 Patty.Bilgin@lacity.org

30 For the Solano County District Attorney

31 Criselda B. Gonzalez
32 Senior Deputy District Attorney
33 Office of the Solano County District Attorney
34 675 Texas Street, 4th Floor, Suite 4500
35 Fairfield CA 94533-6396
36 CGonzalez@SolanoCounty.com

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For the Center for Environmental Health

Mark N. Todzo
Lexington Law Group, LLP
1627 Irving Street
San Francisco, CA 94122
mtodzo@lexlawgroup.com

10.3 Notices for the FieldTurf shall be sent to:

Fieldturf USA, Inc.

Marie-France Nantel
Director of Legal Services
Tarkett Sports
8089 Montview Road
Montreal Quebec H4P 2L7
Canada
Tel: (514) 340-9311 ext. 108/Fax (514) 904-9311
Marie-France.Nantel@tarkettsports.com

With a copy to:

Jeffrey B. Margulies
FULBRIGHT & JAWORSKI L.L.P.
555 South Flower Street, 41st Floor
Los Angeles, California 90071
Tel: (213) 892-9286/Fax: (213) 892-9494
jmargulies@fulbright.com

11. COURT APPROVAL

11.1 This Consent Judgment shall be submitted to the Court for entry by noticed motion or as otherwise may be required or permitted by the Court. If this Consent Judgment is not approved by the Court, it shall be of no force or effect and may not be used by the People or FieldTurf for any purpose.

12. ENTIRE AGREEMENT

12.1 This Consent Judgment contains the sole and entire agreement and understanding of the Parties with respect to the entire subject matter hereof, and any and all prior discussions, negotiations, commitments and understandings related hereto. No representations, oral or otherwise, express or implied, other than those contained herein have been made by any Party hereto. No other agreements not specifically referred to herein, oral or otherwise, shall be deemed to exist or to bind any of the Parties.

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13. RETENTION OF JURISDICTION

13.1 This Court shall retain jurisdiction of this matter to implement and enforce the Consent Judgment, and to resolve any disputes that may arise as to the implementation of this Judgment.

14. EXECUTION IN COUNTERPARTS

14.1 The stipulations to this Consent Judgment may be executed in counterparts and by means of facsimile, which taken together shall be deemed to constitute one document.

IT IS SO ORDERED and ADJUDGED:

DATED: 7/16/10

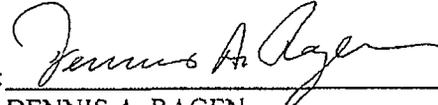
Robert B. Freedman

JUDGE OF THE SUPERIOR COURT

IT IS SO STIPULATED:

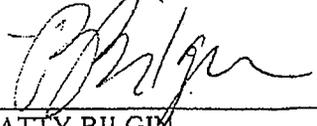
DATED: June 22, 2010

EDMUND G. BROWN, JR.
Attorney General
J. MATTHEW RODRIQUEZ
Chief Assistant Attorney General
KEN ALEX
Senior Assistant Attorney General

By: 
DENNIS A. RAGEN
Deputy Attorney General
For Plaintiffs People of the State of California

DATED: 6/22/10

CARMEN A. TRUTANICH
Los Angeles City Attorney
ELISE A. RUDEN
Deputy City Attorney

By: 
PATTY BILGIN
Supervising Attorney,
Environmental Justice and Protection Section

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DATED: June 22, 2010

DAVID W. PAULSON,
District Attorney of Solano County

By: Carl B. Ariz
CRISELDA B. GONZALEZ
Deputy District Attorney

DATED: _____

FIELDTURF USA, INC

By: _____

Its: _____

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DATED: _____

DAVID W. PAULSON,
District Attorney of Solano County

By: _____

CRISELDA B. GONZALEZ
Deputy District Attorney

DATED: _____

FIELDTURF USA, INC

By:  _____

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FieldTurf has also retained a leading toxicologist and lead expert to answer any questions that you might have about the safety of our product.

Barbara D. Beck, Ph.D., DABT, FATS
Gradient Corporation
Cambridge, MA 02138
Phone – 617-395-5000
Email - bbeck@gradientcorp.com
<http://www.gradientcorp.com>

Please contact Darren Gill at 800-724-2969 x-140 or dgill@fieldturf.com if you should have any questions regarding this letter.

Sincerely,

Eric Dalieri
President

1 Exhibit B

2 **Lead Transfer Testing**

3 **Materials**

- 4 • Sampling device. Device consists of a frame made of ultra high molecular weight polyethylene
5 (UHMW-PE), and a 1.1-kg sampling weight (8 cm diameter) with an attached threaded rod, slide
6 and nut. The frame will allow the 1.1 kg weight to be fully transmitted to the wipe surface, and
7 none of that weight will be borne by the rails.
8 • The wiped area is 400 cm² (8 cm wide by 50 cm long), but because the weight is round the contact
9 area is 386.27 cm².
10 • Ghost WipesTM
11 • 1-quart polyethylene or polypropylene "Ziploc" storage or freezer bags
12 • marker pen
13 • 11-inch or longer releasable plastic cable ties
14 • deionized or distilled water
15 • clean cotton cloths
16 • disposable nitrile or latex gloves
17 • plastic drop cloth or clean trash bags
18 • clippers or pliers

19 **Sampling Locations**

20 Divide the total artificial turf area into 5 contiguous sections of equal areas. This can be done by
21 calculating the total area, dividing by 5 to determine the area of each sampling location and then marking
22 off the area to be sampled. Three sampling locations should be in the center of their respectively marked
23 sections. Two sampling locations should be near the perimeter of the field in their respectively marked
24 sections. The artificial turf color to be sampled for each wipe should be the main field color, usually green.
25 The wiped area should not include any field markings such as stripes or logos. Illustrations with various
26 geometries are given in Figure 1.

27 Plastic weights, chalk or string can be used to mark sample area boundaries. A measuring wheel, chain,
28 laser tape rule, or conventional tape rule may be helpful, especially with complex geometries that might be
found in a landscape application.

29 **Sampling Procedure**

- 30 1. Locate and delineate the areas to be wiped.
31 2. Prior to collecting a new wipe sample, put on a new pair of disposable nitrile or latex gloves.
32 3. Thoroughly clean sampling device frame, slide, 1.1-kg sampling weight, and nut with deionized or
33 distilled water and dry with clean cloth. Cleaned items can be placed on a clean trash bag or
34 plastic drop cloth if needed prior to use. Figure 2 shows these components.

- 1 4. Set the sampling device frame in position for collecting a wipe sample.
- 2 5. Place the 1.1 kg sampling weight in a clean plastic "Ziploc" bag, open an individual Ghost WipeTM
- 3 and stretch the wipe over the bottom of the sampling weight on top of the polyethylene bag.
- 4 Ensure the wipe is smoothly stretched over the bottom of the sampling weight, and secure it using
- 5 a cable tie, as presented on Figure 3.
- 6 6. Guide the threaded rod attached to the 1.1 kg sampling weight into the hole of the sampling device
- 7 slide, as presented on Figure 4.
- 8 7. Place the slide on the rails of the sampling device frame making sure the wipe is suspended above
- 9 the field, and does not engage the surface to be sampled until ready to begin sample collection.
- 10 This can be done by holding the threaded rod to suspend the sampling weight above the surface
- 11 until ready to begin sample collection. The slide should be oriented lengthwise so that the handle-
- 12 knobs are oriented parallel to the rails. Please see Figure 5.
- 13 8. Position the slide at one end of the sampling device. Lower the weight until it engages the surface.
- 14 Place feet (toes or heels) on shoe rests (side wings) of the sampling device to hold the device in
- 15 place. Take hold of handle-knobs on the slide and move the slide to the other end of the device
- 16 thereby dragging the 1.1-kg weight to the other end of the sample track, over a period of one
- 17 second. This movement constitutes one sampling stroke.
- 18 9. Move the slide back and forth for a total of 5 strokes.
- 19 10. While holding the threaded rod, lift the slide off the rails, and remove the GhostWipeTM from the
- 20 bottom of the sampling weight by releasing the cable tie. Place the GhostWipeTM into a new plastic
- 21 "Ziploc" bag. Seal and label the bag with the sample ID. Discard the gloves and cable tie.
- 22 11. For each field set of samples, the sampling method blanks shall consist of two unused wipes with
- 23 packaging removed, each in an individual bag. If the amount of lead in a blank wipe does not
- 24 reasonably closely match its paired mate, or if both blank wipes are above an expected background
- 25 level, the sampling for that field set must be redone on areas not previously wiped.
- 26 12. Collect 3 background wipe samples from areas adjacent to the field, using the collection method
- 27 above. In order to assess lead levels in the ambient dust fall, the surfaces wiped should be hard
- 28 non-metallic surfaces that are composed of materials with a low lead content (<100 ppm). These

Lab Analysis

Acid digestion of the Ghost WipesTM prior to analysis for lead shall be conducted according to USEPA Method 3050B.

Wipe samples shall be analyzed for lead by inductively coupled plasma-atomic emission spectrometry (ICP-AES) (USEPA Method 6010B or 6010C).

Lead results should be reported as total micrograms (μg) per wipe.

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Calculations

Assuming the results for the two blank wipes for the field set meet the conditions in sampling Step 11 above, average the two blank results.

Average the results from the three background samples.

Wipe results from the field should be compared to those obtained from the background wipe samples, to determine whether a background source of lead could be contributing to lead dust on the field. Lead levels in the field wipe samples that are comparable to the levels in the background wipe samples indicate that lead in the field wipe samples is likely due to the aerial deposition of ambient dust. If lead is detected in the background samples, the average background result should be compared with the amount of lead on each of the wipe samples to determine if the field values are elevated above background.

Calculate the lead per square centimeter per stroke, for each section of field:

$$\text{Total } \mu\text{g lead/cm}^2/\text{stroke} = (\text{total } \mu\text{g lead on wipe} - \text{average } \mu\text{g lead on the blank wipes for that field set}) / (386.27 \text{ cm}^2 * 5 \text{ strokes})$$

The average (mean) for the field of artificial turf is the sum of the results for each of the 5 sections, divided by 5.

Consultation

The contractor selected to perform Lead Transfer Testing pursuant to this Judgment may provide additional written instructions to the personnel who will be conducting the Lead Transfer Testing. This contractor shall meet and confer with representatives selected by Plaintiffs and Settling Defendant prior to initiating the first round of testing.

The resulting lead levels shall be deemed to be the Available Lead Level pursuant to this Judgment. These procedures and methods are meant only for use in this Judgment as a method of determining when removal of an existing field is appropriate. They have not been approved by the Plaintiffs or Settling Defendants as appropriate for making exposure calculations or estimates pursuant to Health and Safety Code section 25249.6 et seq. or any other law or regulation.

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Figures

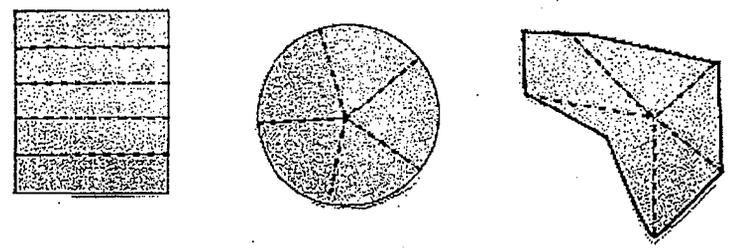


Figure 1: Potential field sampling segments.

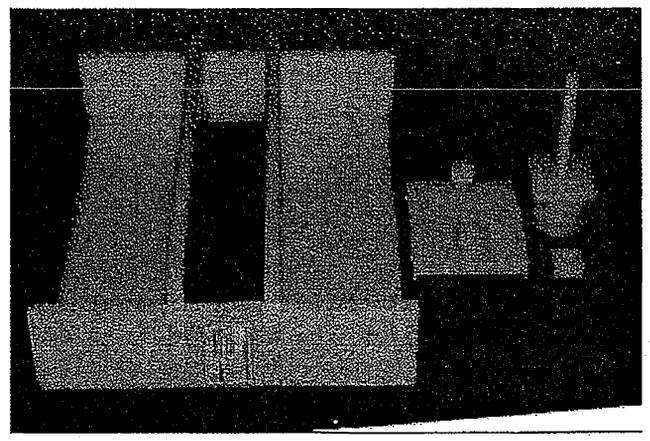


Figure 2: Sampling device frame, slide, weight and nut

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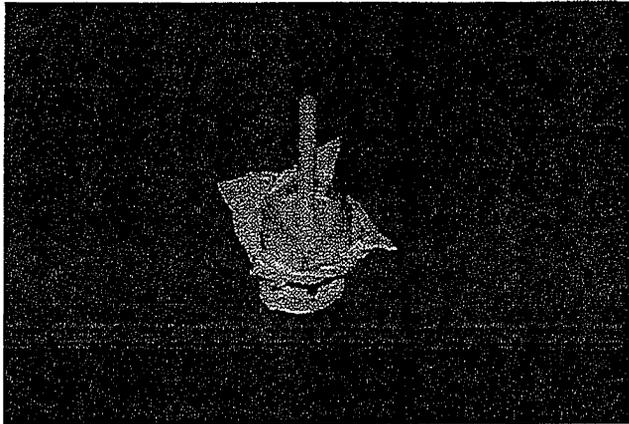


Figure 3: Weight with 1-quart polyethylene storage bag, a wipe (this is a paper towel for demonstration purposes only), and a cable tie

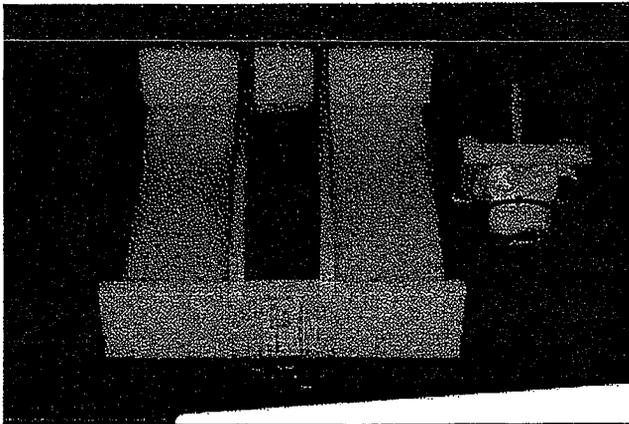


Figure 4: Device frame and weight with wipe with rod threaded through hole in slide.

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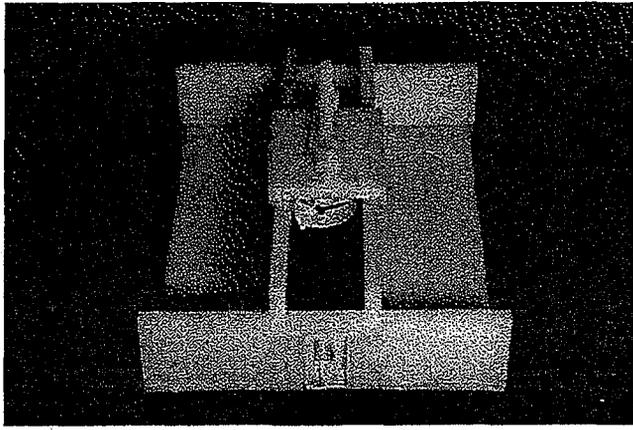


Figure 5: Slide placed on device frame rails.