COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WASTE MANAGEMENT

# General Permit
# For
# Processing/Beneficial Use of Residual Waste

**Permit No.** WMGR096 **Date Amended** December 23, 2013

**Date Issued** December 23, 2013 **Date Expires** December 23, 2018

The Department of Environmental Protection, Bureau of Waste Management, Division of Municipal and Residual Waste hereby approves the:

☒ Beneficial Use ☐ Processing prior to Beneficial Use ☐ Other

of: regulated fill as defined in Guidance Document 258-2182-773 (Management of Fill)

for use as: construction material.

This approval is granted to: Eligible persons or municipalities qualifying for the general permit.

subject to the attached conditions and may be revoked or suspended for any project which the Department of Environmental Protection determines to have a substantial risk to public health, the environment, or cannot be adequately regulated under the provisions of this permit.

The processing of wastes not specifically identified in the documentation submitted for this approval, or the beneficial use of wastes not approved in this permit, is prohibited without the written permission of the Department.

This permit is issued under the authority of the Solid Waste Management Act (35 P.S. §§6018.101-6018.1003), The Pennsylvania Used Oil Recycling Act (58 P.S. §§471-480), The Clean Streams Law (35 P.S. §§691.1-691.1001), Sections 1905-A, 1917-A and 1920-A of the Administrative Code of 1929 (71 P.S. §§510-5, 510-17 and 510-20) and the Municipal Waste Planning, Recycling and Waste Reduction Act (53 P.S. §§4000.101-4000.1904).

This approval is granted: By:

☒ Statewide ☐ Regional Title: Environmental Program Manager

THIS PERMIT IS NON-TRANSFERABLE

1. *Permitted Activities.* The approval herein granted is limited to the beneficial use of regulated fill as a construction material when moved offsite or received onsite. Regulated fill may only be moved to a property that is approved for construction and that is zoned and used exclusively for commercial and industrial uses or that is unzoned but is exclusively used for commercial and industrial uses (excluding parks, playgrounds, nursing homes, child care facilities, schools or other residential-style facilities or recreation areas). This permit does not authorize blending or processing of material to meet concentration limits in Table GP-1.

2. *Definitions.* The following terms, when used in this permit, have the following meanings:

   *"Regulated fill"* is soil, rock, stone, dredged material, used asphalt, historic fill, and brick, block or concrete from construction and demolition activities that is separate from other waste and recognizable as such that has been affected by a spill or release of a regulated substance and the concentrations of regulated substances exceed the values in Table FP-1 of the Department's fill policy.

   *"Historic fill"* is material (excluding landfills, waste piles and impoundments) used to bring an area to grade prior to 1988 that is a conglomeration of soil and residuals, such as ashes from the residential burning of wood and coal, incinerator ash, coal ash, slag, dredged material and construction and demolition waste. The term does not include iron or steel slag that is separate from residuals if it meets the coproduct definition and the requirements of 25 Pa. Code § 287.8. The term does not include coal ash that is separate from residuals if it is beneficially used in accordance with 25 Pa. Code Chapter 290.

3. *Concentration limits.* Regulated fill may not exceed the values in Table GP-1.

4. *Hazardous waste prohibited.* Material that is hazardous waste under Chapter 261a (relating to identification and listing of hazardous waste) may not be used under this permit.

5. *Proper management of fill.* Regulated fill may not be placed on a greenfield property not planned for development, or on a property currently used for or planned for residential use. Material containing concentrations of regulated substances that exceed the values in Table GP-1 may not be moved under the provisions of this general permit, but must be managed in accordance with the provisions of the Department's municipal or residual waste regulations.

6. *Proper management of dredged materials.* In addition to meeting the values in Table GP-1, regulated fill consisting of dredged material from tidal streams shall meet 250 mg/l for chlorides based on an SPLP analysis.

7. *Proper management of fill materials containing metals.* Regulated fill containing metals may be moved to a site if those metals concentrations meet either the concentration limits for metals in Table GP-1 or the background concentration, whichever is higher. Fill that exceeds the concentration limits must be placed as part of an approved construction project in such a manner that all direct contact exposure pathways are eliminated. The background concentration is defined as the concentration of a substance that is present at the site before beneficial use activities occur under this permit. Background concentrations may be determined by taking a representative number of samples, based



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on the size of the site, from each of the receiving site and the fill proposed for beneficial use. The average concentration in the receiving site samples becomes the background concentration.

8. *Notice to municipalities.* A person that applies for coverage under this general permit shall submit a copy of the determination of applicability application to each municipality in which the beneficial use activities will be located a minimum of 60 days prior to initiating operations.

9. *Sampling and analysis.* Prior to the beneficial use, the permittee shall perform chemical analysis on representative samples of regulated fill for the appropriate parameters in accordance with the protocol in Appendix A to the Fill Policy. The chemical analyses required in this condition shall be performed by a laboratory accredited or registered for accreditation under the Pennsylvania Environmental Laboratory Accreditation Act of 2002. The operator of the facility shall inspect all incoming waste to insure that the receipt of the waste is consistent with the permit.

10. *Deed Acknowledgment for beneficial use of regulated fill.* The permittee shall provide to the Department proof of a recorded deed notice that includes the exact location of the fill placed on the property, including longitude and latitude descriptions, and a description of the types of fill identified by sampling and analysis. The location and description shall be made a part of the deed for all future conveyances or transfers of the subject property. This deed notice may be provided as an ongoing part of the project or at the end of the completed project.

11. *Siting limitations.* Regulated fill shall not be beneficially used under this permit unless authorized in writing by the Department:

    a. in the 100-year floodplain;

    b. within 100 feet of a sinkhole or area draining into a sinkhole;

    c. within 50 feet of a dwelling unless the owner has provided a written waiver consenting to the beneficial use being closer than 50 feet;

    d. within 100 feet of a perennial stream;

    e. within 300 feet of a water source unless the owner has provided a written waiver consenting to the beneficial use being closer than 300 feet;

    f. within 300 feet of an exceptional value wetland, an exceptional value water or a high quality water.

    g. The siting limitations in paragraph 11(a) are not applicable to the placement of regulated fill at a brownfield site provided the placement is in accordance with all other applicable requirements.

12. *Water quality.* Regulated fill shall not be placed in the waters of the Commonwealth.



ED_002426C_00012236-00003

13. *Nuisances.* Regulated fill shall not contain any free liquids based on visual inspection, and shall not create public nuisances (for example objectionable odors)and shall minimize the generation of fugitive dust emissions related to operation of the facility.

14. Stabilization Upon completion of areas where regulated fill is beneficially used, the areas shall be promptly vegetated or otherwise stabilized to minimize and control erosion if the construction activity is not undertaken within 30 days of fill placement.

15. *Mixing prohibited.* The regulated fill may not be mixed with other types of solid waste unless otherwise approved by the Department.

16. *Storage and transportation.* The storage and transportation of regulated fill shall be in a manner that does not create a nuisance or be harmful to the public health, safety or the environment. Storage and transportation shall comply with the requirements of 25 Pa. Code Chapters 285 or 299 (relating to storage, collection and transportation of municipal waste and residual waste), whichever is applicable to the waste type being stored or transported.

17. *Discharge of waste prohibited.* This permit does not authorize and shall not be construed as an approval to discharge any other waste, wastewater or runoff from the site where regulated fill originated or the site where regulated fill is beneficially used, to the land or waters of the Commonwealth.

18. *Fugitive emissions.* The permittee shall comply with any applicable fugitive emissions standards adopted under 25 Pa. Code §123.1 and 123.2.

19. *Erosion and sedimentation control.* An erosion and sedimentation control plan shall be implemented that is consistent with the applicable requirements of Chapter 102 (relating to erosion and sedimentation control). A copy of the approved stormwater management, and erosion and sedimentation control plans shall be maintained onsite during construction activities.

20. *Recordkeeping.* Records of analytical evaluations conducted on the regulated fill under this permit, daily records of the weight or volume of the regulated fill received, the placement locations, and the approved construction plans shall be kept onsite by the permittee and at the permittee's place of business. This information shall be available to the Department for inspection and submitted to the Department upon request. This waste analysis information shall be retained by the permittee for a minimum of 5 years.

21. *Relationship to local law.* Nothing in this permit shall be construed to supersede, amend, or authorize a violation of any of the provisions of any valid and applicable local law, ordinance, or regulation, providing that said local law, ordinance, or regulation is not preempted by the Solid Waste Management Act, 35 PS §6018.101 et seq.; and the Municipal Waste Planning, Recycling and Waste Reduction Act of 1988, 53 P.S. §4000.101 et seq.

22. *Inspections.* As a condition of this permit and of the permittee's authority to conduct the activities authorized by this permit, the person receiving the fill hereby authorizes and consents to allow authorized employees or agents of the Department, without advance notice or search warrant, upon presentation of appropriate credentials and without delay, to have access to and to inspect all areas on



ED_002426C_00012236-00004

which solid waste management activities are being, will be, or have been conducted. This authorization and consent shall include consent to collect samples of waste, soils, water, or gases; to take photographs; to perform measurements, surveys, and other tests; to inspect any monitoring equipment; to inspect the methods of operation; and to inspect and/or copy documents, books, and papers required by the Department to be maintained. This permit condition is referenced in accordance with Sections 608 and 610(7) of The Solid Waste Management Act, 35 P.S. § 6018.608 and 6018.610(7). This condition in no way limits any other powers granted under the Solid Waste Management Act.

23. *Prevention of harm or threat of harm.* The activities authorized by this permit shall not harm or present a threat of harm to the health, safety, or welfare of the people or environment. The Department may modify, suspend, revoke, or reissue the authorization granted in this permit if it deems necessary to prevent harm or the threat of harm to the public health, the environment, or if the activities cannot be adequately regulated under the conditions of this permit.

24. *Individual permits.* The permittee shall comply with the terms and conditions of this general permit and with the environmental protection acts to the same extent as if the activities were covered by an individual permit. The Department may require the permittee to apply for, and obtain an individual permit or cease operation if the permittee is not in compliance with the conditions of this general permit or is conducting an activity that harms or presents a threat of harm to the health, safety or welfare of the people or the environment.

25. *Incorporation of application.* All activities conducted under the authorization granted in this permit shall be conducted in accordance with the permittee's application. Except to the extent that the permit states otherwise, the permittee shall use the regulated fill as described in the approved application.

26. *Permit application requirements.* Persons or municipalities that propose to beneficially use regulated fill by operating under the terms and conditions of this general permit after the date of permit issuance shall submit a determination of applicability application for each location of beneficial use. The application shall be sent to the Department's appropriate regional office that has jurisdiction for waste-related activities in the county where the regulated fill will be beneficially used. At a minimum, the following determination of applicability information shall be submitted on application forms provided by the Department:

    a. Name and street address of the applicant;

    b. Names, addresses, and locations of known or potential sources of regulated fill and estimated source weights or volumes;

    c. Name, location, area and ownership of the location of beneficial use;

    d. Documentation including laboratory analytical results and a certification by the permittee that the regulated fill meets the conditions of this general permit;

    e. Number and title of the general permit;



ED_002426C_00012236-00005

f. Proof that the beneficial use management activities are consistent with the general permit.

g. A description of the activities that will take place and an estimated schedule for placement of regulated fill.

h. If the size of the receiving site, where the beneficial use takes place, is greater than or equal to one acre, proof that a Pennsylvania Natural Diversity Inventory (PNDI) review at the site has been completed. This review should be in accordance with the Department's policy #400-0200-001, "Policy for Pennsylvania Natural Diversity Inventory Coordination During Permit Review and Evaluation" (Jan. 18, 2003) and all known occurrences must be resolved with the jurisdictional agency. If a PNDI review has been completed at the receiving site under another Department program, the report of that review and approval may be submitted to the Department to satisfy this permit application requirement.

i. Signed and notarized statement by the person who seeks the "determination of applicability" to accept all conditions and operate under the terms and conditions of this general permit;

j. Proof that copies of the "determination of applicability" have been submitted to each municipality, county, county planning agency and county health department where the beneficial use is located;

k. Proof that the applicant has legal right to enter the land where the beneficial use will occur and perform the activities approved in Condition 1 of this permit and an irrevocable written consent from the landowner giving the Department permission to enter upon land where the applicant will be conducting waste management activities;

l. Information that identifies the applicant (i.e. individual, corporation, partnership, government agency, association, etc.) and related parties, including the names and addresses of every officer who has a financial interest in or controls the facility operation;

m. Evidence must be provided by persons operating under this general permit of noncompliance with state and federal environmental laws and regulations;

n. Independent contractors retained by the applicant to perform any activities authorized under this permit must comply with state and federal laws and regulations relating to environmental protection and transportation safety; and

o. The non-refundable fee for a determination of applicability fee, as specified in the residual waste management regulations, payable to the "Commonwealth of Pennsylvania."

27 *Commencement of activities.* For persons or municipalities that propose to beneficially use regulated fill on nonresidential brownfields, the activities may commence after 60 working days from the date the determination of applicability application is submitted to the Department, unless otherwise instructed by the Department. A "brownfield" is defined as real property where regulated substances have been released and remain present. For persons or municipalities that propose to beneficially use regulated fill for one of the following, the activities may commence after 60 working days from the



ED_002426C_00012236-00006

date the determination of applicability application is submitted to the Department, unless otherwise instructed by the Department:

a. on nonresidential greenfields;

b. on properties where the area subject to regulated fill placement is larger than 10 acres; or

c. on properties where waiver or modification of a siting limitation in Condition 11 has been requested.

A "greenfield" is defined as real property that is not a brownfield.

28. *New sources of fill.* If new sources of regulated fill are to be included at the approved beneficial use location, the permittee shall notify the Department in writing by submitting information in accordance with subparts (b) and (d) of Condition 26 above. A permittee may commence with beneficial use of the new source after 10 working days from the date the information is submitted to the Department, unless otherwise instructed by the Department.

29. *Expansions.* If the placement of additional regulated fill will be expanded beyond the permitted area, the permittee shall notify the Department in writing by submitting information in accordance with subparts (a)-(h) and (j) – (k) of Condition 26 above. If additional regulated fill volumes are needed for the approved construction activities within the existing permitted area, the permittee shall submit a letter notifying the appropriate Department regional office. The letter shall include a description of the proposed changes and identify the additional volumes necessary.

30. *Notification of changes in operator.* Any person who is operating under the provisions of this permit shall immediately notify, in writing, the waste program Operations Manager of the appropriate regional office of the Department (address in attached list) within 30 days via certified mail of any changes in: the company name, address, owners, operators, and/or responsible officials of the company; the generator(s) of the regulated fill; the compliance status (e.g., violations) of any permit issued by the Department or federal government under the environmental protection acts

31. *Determination that material is no longer waste.* Regulated fill that meets all the terms and conditions of this permit and that does not exceed concentration limits in Table GP-1 shall cease to be waste once the regulated fill is placed. If dewasted regulated fill is subsequently excavated or moved beyond the area permitted for fill placement, it will then be subject to applicable requirements for the use of regulated fill.

32. *Revocation or suspension.* Failure of the measures herein approved to be performed as intended, or as designed, or in compliance with the applicable laws, rules and regulations, and terms and conditions of this permit, for any reason, shall be grounds for the revocation or suspension of the permittee's approval to operate under this permit.



ED_002426C_00012236-00007

## Table GP-1a
## Regulated Fill Concentration Limits For Organics

| PARAMETER | CASRN | Regulated Fill Total analysis mg/kg |
|---|---|---|
| ACENAPHTHENE | 83-32-9 | 4700 |
| ACENAPHTHYLENE | 208-96-8 | 6900 |
| ACEPHATE | 30560-19-1 | 3.6 |
| ACETALDEHYDE | 75-07-0 | 0.63 |
| ACETONE | 67-64-1 | 110 |
| ACETONITRILE | 75-05-8 | 3.9 |
| ACETOPHENONE | 98-86-2 | 540 |
| ACETYLAMINOFLUORENE, 2- (2AAF) | 53-96-3 | 0.28 |
| ACROLEIN | 10-702-8 | 0.0014 |
| ACRYLAMIDE | 79-06-1 | 0.0024 |
| ACRYLIC ACID | 79-10-7 | 0.11 |
| ACRYLONITRILE | 107-13-1 | 0.037 |
| ALACHLOR | 15972-60-8 | 0.077 |
| ALDICARB | 116-06-3 | 0.12 |
| ALDRIN | 309-00-2 | 0.44 |
| ALLYL ALCOHOL | 107-18-6 | 1.2 |
| AMINOBIPHENYL, 4- | 92-67-1 | 0.0046 |
| AMITROLE | 61-82-5 | 0.12 |
| AMMONIA | 7664-41-7 | 360 |
| AMMONIUM SULFAMATE | 7773-06-0 | 24 |
| ANILINE | 62-53-3 | 0.34 |
| ANTHRACENE | 120-12-7 | 350 |
| ATRAZINE | 1912-24-9 | 0.13 |
| BAYGON (PROPOXUR) | 114-26-1 | 0.057 |
| BENOMYL | 17804-35-2 | 970 |
| BENTAZON | 25057-89-0 | 45 |
| BENZENE | 71-43-2 | 0.13 |
| BENZIDINE | 92-87-5 | 0.34 |
| BENZO[A]ANTHRACENE | 56-55-3 | 110 |
| BENZO[A]PYRENE | 50-32-8 | 11 |
| BENZO[B]FLUORANTHENE | 205-99-2 | 110 |
| BENZO[GHI]PERYLENE | 191-24-2 | 180 |
| BENZO[K]FLUORANTHENE | 207-08-9 | 610 |
| BENZOIC ACID | 65-85-0 | 7800 |
| BENZOTRICHLORIDE | 98-07-7 | 0.048 |
| BENZYL ALCOHOL | 100-51-6 | 1100 |
| BENZYL CHLORIDE | 100-44-7 | 0.22 |
| BHC, ALPHA | 319-84-6 | 0.19 |
| BHC, BETA- | 319-85-7 | 0.82 |
| BHC, DELTA- | 319-86-8 | 30 |
| BHC, GAMMA (LINDANE) | 58-89-9 | 0.072 |
| BIPHENYL, 1,1- | 92-52-4 | 2200 |
| BIS(2-CHLOROETHYL)ETHER | 111-44-4 | 0.017 |
| BIS(2-CHLORO-ISOPROPYL)ETHER | 108-60-1 | 8 |

## Table GP-1a
## Regulated Fill Concentration Limits For Organics

| | | |
|---|---|---|
| BIS(CHLOROMETHYL)ETHER | 542-88-1 | 0.000044 |
| PARAMETER | | Regulated Fill |
| | | Total analysis |
| | CASRN | mg/kg |
| | | |
| BIS[2-ETHYLHEXYL] PHTHALATE | 117-81-7 | 130 |
| BISPHENOL A | 80-05-7 | 2000 |
| BROMACIL | 314-40-9 | 2 |
| BROMOCHLOROMETHANE | 74-97-5 | 1.6 |
| BROMODICHLOROMETHANE | 75-27-4 | 3.4 |
| BROMOMETHANE | 74-83-9 | 0.54 |
| BROMOXYNIL | 1689-84-5 | 170 |
| BROMOXYNIL OCTANOATE | 1689-99-2 | 360 |
| BUTADIENE, 1,3- | 106-99-0 | 0.027 |
| BUTYL ALCOHOL, N- | 71-36-3 | 24 |
| BUTYLATE | 2008-41-5 | 51 |
| BUTYLBENZENE, N- | 104-51-8 | 2600 |
| BUTYLBENZENE, SEC- | 135-98-8 | 960 |
| BUTYLBENZENE, TERT- | 98-06-6 | 740 |
| BUTYLBENZYL PHTHALATE | 85-68-7 | 10000 |
| CAPTAN | 133-06-2 | 31 |
| CARBARYL | 63-25-2 | 41 |
| CARBAZOLE | 86-74-8 | 83 |
| CARBOFURAN | 1563-66-2 | 0.87 |
| CARBON DISULFIDE | 75-15-0 | 350 |
| CARBON TETRACHLORIDE | 56-23-5 | 0.26 |
| CARBOXIN | 5234-68-4 | 53 |
| CHLORAMBEN | 133-90-4 | 1.6 |
| CHLORDANE | 57-74-9 | 49 |
| CHLORO-1,1-DIFLUOROETHANE, 1- | 75-68-3 | 4800 |
| CHLORO-1-PROPENE, 3- (ALLYL CHLORIDE) | 107-05-1 | 0.13 |
| CHLOROACETOPHENONE, 2- | 532-27-4 | 0.026 |
| CHLOROANILINE, P- | 106-47-8 | 52 |
| CHLOROBENZENE | 108-90-7 | 6.1 |
| CHLOROBENZILATE | 510-15-6 | 6.3 |
| CHLOROBUTANE, 1- | 109-69-3 | 6400 |
| CHLORODIBROMOMETHANE | 124-48-1 | 3.2 |
| CHLORODIFLUOROMETHANE | 75-45-6 | 2.6 |
| CHLOROETHANE | 75-00-3 | 19 |
| CHLOROFORM | 67-66-3 | 2.5 |
| CHLORONAPHTHALENE, 2- | 91-58-7 | 18000 |
| CHLORONITROBENZENE, P- | 100-00-5 | 18 |
| CHLOROPHENOL, 2- | 95-57-8 | 4.4 |
| CHLOROPRENE | 126-99-8 | 0.97 |
| CHLOROPROPANE, 2- | 75-29-6 | 44 |
| CHLOROTHALONIL | 1897-45-6 | 61 |
| CHLOROTOLUENE, O- | 95-49-8 | 20 |
| CHLORPYRIFOS | 2921-88-2 | 23 |

## Table GP-1a
## Regulated Fill Concentration Limits For Organics

| | | |
|---|---|---|
| CHLORSULFURON | 64902-72-3 | 71 |
| CHLORTHAL-DIMETHYL (DACTHAL) (DCPA) | 1861-32-1 | 650 |
| PARAMETER | CASRN | Regulated Fill<br>Total analysis<br>mg/kg |
| CHRYSENE | 218-01-9 | 230 |
| CRESOL(S) | 1319-77-3 | 8.9 |
| CRESOL, 0- (METHYLPHENOL, 2-) | 95-48-7 | 180 |
| CRESOL, M (METHYLPHENOL, 3-) | 108-39-4 | 100 |
| CRESOL, P (METHYLPHENOL, 4-) | 106-44-5 | 12 |
| CRESOL, P-CHLORO-M- | 59-50-7 | 110 |
| CROTONALDEHYDE | 4170-30-3 | 0.0043 |
| CROTONALDEHYDE, TRANS- | 123-73-9 | 0.0043 |
| CUMENE | 98-82-8 | 1600 |
| CYCLOHEXANONE | 108-94-1 | 2800 |
| CYFLUTHRIN | 68359-37-5 | 33 |
| CYROMAZINE | 66215-27-8 | 240 |
| DDD, 4,4'- | 72-54-8 | 30 |
| DDE, 4,4'- | 72-55-9 | 170 |
| DDT, 4,4'- | 50-29-3 | 230 |
| DI(2-ETHYLHEXYL)ADIPATE | 103-23-1 | 10000 |
| DIALLATE | 2303-16-4 | 0.59 |
| DIAMINOTOLUENE, 2,4- | 95-80-7 | 0.016 |
| DIAZINON | 333-41-5 | 0.082 |
| DIBENZO[A,H]ANTHRACENE | 53-70-3 | 11 |
| DIBROMO-3-CHLOROPROPANE, 1,2- | 96-12-8 | 0.0092 |
| DIBROMOBENZENE, 1,4- | 106-37-6 | 410 |
| DIBROMOETHANE, 1,2- (ETHYLENE DIBROMIDE) | 106-93-4 | 0.0012 |
| DIBROMOMETHANE | 74-95-3 | 7.7 |
| DIBUTYL PHTHALATE, N- | 84-74-2 | 4100 |
| DICHLORO-2-BUTENE, 1,4- | 764-41-0 | 0.0039 |
| DICHLOROBENZENE, 1,2- | 95-50-1 | 59 |
| DICHLOROBENZENE, 1,3- | 541-73-1 | 61 |
| DICHLOROBENZENE, P- | 106-46-7 | 10 |
| DICHLOROBENZIDINE, 3,3'- | 91-94-1 | 32 |
| DICHLORODIFLUOROMETHANE (FREON 12) | 75-71-8 | 100 |
| DICHLOROETHANE, 1,1- | 75-34-3 | 2.7 |
| DICHLOROETHANE, 1,2- | 107-06-2 | 0.1 |
| DICHLOROETHYLENE, 1,1- | 75-35-4 | 0.19 |
| DICHLOROETHYLENE, CIS-1,2- | 156-59-2 | 1.6 |
| DICHLOROETHYLENE, TRANS-1,2- | 156-60-5 | 2.3 |
| DICHLOROMETHANE (METHYLENE CHLORIDE) | 75-09-2 | 0.076 |
| DICHLOROPHENOL, 2,4- | 120-83-2 | 1 |
| DICHLOROPHENOXYACETIC ACID, 2,4- (2,4-D) | 94-75-7 | 1.8 |
| DICHLOROPROPANE, 1,2- | 78-87-5 | 0.11 |
| DICHLOROPROPENE, 1,3- | 542-75-6 | 0.46 |
| DICHLOROPROPIONIC ACID (DALAPON), 2,2- | 75-99-0 | 5.3 |

## Table GP-1a
## Regulated Fill Concentration Limits For Organics

| | | |
|---|---|---|
| DICHLORVOS | 62-73-7 | 0.052 |
| DICYCLOPENTADIENE | 77-73-6 | 0.26 |
| PARAMETER | | Regulated Fill |
| | | Total analysis |
| | CASRN | mg/kg |
| | | |
| DIELDRIN | 60-57-1 | 0.44 |
| DIETHYL PHTHALATE | 84-66-2 | 160 |
| DIFLUBENZURON | 35367-38-5 | 52 |
| DIMETHOATE | 60-51-5 | 0.77 |
| DIMETHOXYBENZIDINE, 3,3- | 119-90-4 | 64 |
| DIMETHYLAMINOAZOBENZENE, P- | 60-11-7 | 0.15 |
| DIMETHYLANILINE, N,N- | 000121-69-7 | 11 |
| DIMETHYLBENZIDINE, 3,3- | 000119-93-7 | 1.5 |
| DIMETHYLPHENOL, 2,4- | 105-67-9 | 87 |
| DINITROBENZENE, 1,3- | 99-65-0 | 0.049 |
| DINITROPHENOL, 2,4- | 51-28-5 | 0.46 |
| DINITROTOLUENE, 2,4- | 121-14-2 | 0.2 |
| DINITROTOLUENE, 2,6- (2,6-DNT) | 606-20-2 | 3 |
| DINOSEB | 88-85-7 | 0.29 |
| DIOXANE, 1,4- | 123-91-1 | 0.31 |
| DIPHENAMID | 957-51-7 | 12 |
| DIPHENYLAMINE | 122-39-4 | 12 |
| DIPHENYLHYDRAZINE, 1,2- | 122-66-7 | 0.58 |
| DIQUAT | 85-00-7 | 0.24 |
| DISULFOTON | 298-04-4 | 0.078 |
| DIURON | 330-54-1 | 0.86 |
| ENDOSULFAN | 115-29-7 | 61 |
| ENDOSULFAN I (ALPHA) | 959-98-8 | 260 |
| ENDOSULFAN II (BETA) | 33213-65-9 | 260 |
| ENDOSULFAN SULFATE | 1031-07-8 | 70 |
| ENDOTHALL | 145-73-3 | 4.1 |
| ENDRIN | 72-20-8 | 5.5 |
| EPICHLOROHYDRIN | 106-89-8 | 0.12 |
| ETHEPHON | 16672-87-0 | 5.9 |
| ETHION | 563-12-2 | 110 |
| ETHOXYETHANOL, 2- (EGEE) | 110-80-5 | 17 |
| ETHYL ACETATE | 141-78-6 | 470 |
| ETHYL ACRYLATE | 140-88-5 | 0.5 |
| ETHYL BENZENE | 100-41-4 | 46 |
| ETHYL DIPROPYLTHIOCARBAMATE, S- (EPTC) | 759-94-4 | 180 |
| ETHYL ETHER | 60-29-7 | 120 |
| ETHYL METHACRYLATE | 97-63-2 | 30 |
| ETHYLENE GLYCOL | 107-21-1 | 170 |
| ETHYLENE THIOUREA (ETU) | 96-45-7 | 0.034 |
| ETHYLP-NITROPHENYL PHENYLPHOSPHOROTHIOATE | 2104-64-5 | 0.31 |
| FENAMIPHOS | 22224-92-6 | 0.17 |
| FENVALERATE (PYDRIN) | 51630-58-1 | 94 |

## Table GP-1a
## Regulated Fill Concentration Limits For Organics

| | | |
|---|---|---|
| FLUOMETURON | 2164-17-2 | 2.5 |
| FLUORANTHENE | 206-44-0 | 3200 |
| PARAMETER | CASRN | Regulated Fill Total analysis mg/kg |
| FLUORENE | 86-73-7 | 3800 |
| FLUOROTRICHLOROMETHANE (FREON 11) | 75-69-4 | 87 |
| FONOFOS | 944-22-9 | 2.9 |
| FORMALDEHYDE | 50-00-0 | 12 |
| FORMIC ACID | 64-18-6 | 460 |
| FOSETYL-AL | 39148-24-8 | 27000 |
| FURAN | 110-00-9 | 0.87 |
| FURFURAL | 98-01-1 | 3.7 |
| GLYPHOSATE | 1071-83-6 | 620 |
| HEPTACHLOR | 76-44-8 | 0.68 |
| HEPTACHLOR EPOXIDE | 1024-57-3 | 1.1 |
| HEXACHLOROBENZENE | 118-74-1 | 0.96 |
| HEXACHLOROBUTADIENE | 87-68-3 | 1.2 |
| HEXACHLOROCYCLOPENTADIENE | 77-47-4 | 91 |
| HEXACHLOROETHANE | 67-72-1 | 0.56 |
| HEXANE | 110-54-3 | 1100 |
| HEXYTHIAZOX (SAVEY) | 78587-05-0 | 820 |
| HYDRAZINE/HYDRAZINE SULFATE | 302-01-2 | 0.00042 |
| HYDROQUINONE | 123-31-9 | 55 |
| INDENO[1,2,3-CD]PYRENE | 193-39-5 | 110 |
| IPRODIONE | 36734-19-7 | 1200 |
| ISOBUTYL ALCOHOL | 78-83-1 | 160 |
| ISOPHORONE | 78-59-1 | 1.9 |
| KEPONE | 143-50-0 | 2.2 |
| MALATHION | 121-75-5 | 34 |
| MALEIC HYDRAZIDE | 123-33-1 | 47 |
| MANEB | 12427-38-2 | 5.8 |
| MERPHOS OXIDE | 78-48-8 | 41 |
| METHACRYLONITRILE | 126-98-7 | 0.067 |
| METHAMIDOPHOS | 10265-92-6 | 0.063 |
| METHANOL | 67-56-1 | 120 |
| METHOMYL | 16752-77-5 | 3.2 |
| METHOXYCHLOR | 72-43-5 | 630 |
| METHOXYETHANOL, 2- | 109-86-4 | 1.1 |
| METHYL ACETATE | 79-20-9 | 1900 |
| METHYL ACRYLATE | 96-33-3 | 77 |
| METHYL CHLORIDE | 74-87-3 | 0.038 |
| METHYL ETHYL KETONE | 78-93-3 | 110 |
| METHYL ISOBUTYL KETONE | 108-10-1 | 6.3 |
| METHYL METHACRYLATE | 80-62-6 | 56 |
| METHYL METHANESULFONATE | 66-27-3 | 0.32 |
| METHYL PARATHION | 298-00-0 | 0.42 |

## Table GP-1a
## Regulated Fill Concentration Limits For Organics

| | | |
|---|---|---|
| METHYL STYRENE (MIXED ISOMERS) | 25013-15-4 | 340 |
| METHYL TERT-BUTYL ETHER (MTBE) | 1634-04-4 | 0.28 |
| PARAMETER | | Regulated Fill |
| | | Total analysis |
| | CASRN | mg/kg |
| | | |
| METHYLENE BIS(2-CHLOROANILINE), 4,4'- | 101-14-4 | 15 |
| METHYLNAPHTHALENE, 2- | 91-57-6 | 8000 |
| METHYLSTYRENE, ALPHA | 98-83-9 | 250 |
| NAPHTHALENE | 91-20-3 | 25 |
| NAPHTHYLAMINE, 1- | 134-32-7 | 1.1 |
| NAPHTHYLAMINE, 2- | 91-59-8 | 0.046 |
| NAPROPAMIDE | 15299-99-7 | 2300 |
| NITROANILINE, M- | 99-09-2 | 0.091 |
| NITROANILINE, O- | 88-74-4 | 0.1 |
| NITROANILINE, P- | 100-01-6 | 0.086 |
| NITROBENZENE | 98-95-3 | 2.2 |
| NITROPHENOL, 2- | 88-75-5 | 17 |
| NITROPHENOL, 4- | 100-02-7 | 4.1 |
| NITROPROPANE, 2- | 79-46-9 | 0.0011 |
| NITROSODIETHYLAMINE, N- | 55-18-5 | 0.000076 |
| NITROSODIMETHYLAMINE, N- | 62-75-9 | 0.00017 |
| NITROSO-DI-N-BUTYLAMINE, N- | 924-16-3 | 0.014 |
| NITROSODI-N-PROPYLAMINE, N- | 621-64-7 | 0.0051 |
| NITROSODIPHENYLAMINE, N- | 86-30-6 | 83 |
| NITROSO-N-ETHYLUREA, N- | 759-73-9 | 0.00022 |
| OCTYL PHTHALATE, DI-N- | 117-84-0 | 10000 |
| OXAMYL (VYDATE) | 23135-22-0 | 2.6 |
| PARATHION | 56-38-2 | 360 |
| PCB-1016 (AROCLOR) | 12674-11-2 | 200 |
| PCB-1221 (AROCLOR) | 11104-28-2 | 2.5 |
| PCB-1232 (AROCLOR) | 11141-16-5 | 2 |
| PCB-1242 (AROCLOR) | 53469-21-9 | 62 |
| PCB-1248 (AROCLOR) | 12672-29-6 | 44 |
| PCB-1254 (AROCLOR) | 11097-69-1 | 44 |
| PCB-1260 (AROCLOR) | 11096-82-5 | 130 |
| PEBULATE | 1114-71-2 | 860 |
| PENTACHLOROBENZENE | 608-93-5 | 660 |
| PENTACHLORONITROBENZENE | 82-68-8 | 20 |
| PENTACHLOROPHENOL | 87-86-5 | 5 |
| PHENACETIN | 62-44-2 | 46 |
| PHENANTHRENE | 85-01-8 | 10000 |
| PHENOL | 108-95-2 | 66 |
| PHENYLENEDIAMINE, M- | 108-45-2 | 8.6 |
| PHENYLPHENOL, 2- | 90-43-7 | 1900 |
| PHORATE | 298-02-2 | 0.88 |
| PHTHALIC ANHYDRIDE | 85-44-9 | 6200 |
| PICLORAM | 1918-02-1 | 7.4 |
| PRONAMIDE | 23950-58-5 | 3.1 |

## Table GP-1a
## Regulated Fill Concentration Limits For Organics

| | | |
|---|---|---|
| PROPANIL | 709-98-8 | 26 |
| PROPHAM | 122-42-9 | 48 |
| PARAMETER | | Regulated Fill |
| | | Total analysis |
| | CASRN | mg/kg |
| | | |
| PROPYLBENZENE, N- | 103-65-1 | 780 |
| PROPYLENE OXIDE | 75-56-9 | 0.19 |
| PYRENE | 129-00-0 | 2200 |
| PYRIDINE | 110-86-1 | 0.22 |
| QUINOLINE | 91-22-5 | 0.074 |
| QUIZALOFOP (ASSURE) | 76578-14-8 | 47 |
| RONNEL | 299-84-3 | 800 |
| SIMAZINE | 122-34-9 | 0.15 |
| STRYCHNINE | 57-24-9 | 2.5 |
| STYRENE | 100-42-5 | 24 |
| TEBUTHIURON | 34014-18-1 | 83 |
| TERBACIL | 5902-51-2 | 2.2 |
| TERBUFOS | 13071-79-9 | 0.12 |
| TETRACHLOROBENZENE, 1,2,4,5- | 95-94-3 | 14 |
| TETRACHLORODIBENZO-P-DIOXIN, 2,3,7,8- (TCDD) | 1746-01-6 | 0.00053 |
| TETRACHLOROETHANE, 1,1,1,2- | 630-20-6 | 18 |
| TETRACHLOROETHANE, 1,1,2,2- | 79-34-5 | 0.0093 |
| TETRACHLOROETHYLENE (PCE) | 127-18-4 | 0.43 |
| TETRACHLOROPHENOL, 2,3,4,6- | 58-90-2 | 950 |
| TETRAETHYL LEAD | 78-00-2 | 0.012 |
| TETRAETHYLDITHIOPYROPHOSPHATE | 3689-24-5 | 1.5 |
| THIOFANOX | 39196-18-4 | 0.34 |
| THIRAM | 137-26-8 | 130 |
| TOLUENE | 108-88-3 | 44 |
| TOLUIDINE, M- | 108-44-1 | 0.51 |
| TOLUIDINE, O- | 95-53-4 | 1.2 |
| TOLUIDINE, P- | 106-49-0 | 1.3 |
| TOXAPHENE | 8001-35-2 | 1.2 |
| TRIALLATE | 2303-17-5 | 660 |
| TRIBROMOMETHANE (BROMOFORM) | 75-25-2 | 4.4 |
| TRICHLORO-1,2,2-TRIFLUOROETHANE, 1,1,2- | 76-13-1 | 53000 |
| TRICHLOROBENZENE, 1,2,4- | 120-82-1 | 27 |
| TRICHLOROBENZENE, 1,3,5- | 108-70-3 | 31 |
| TRICHLOROETHANE, 1,1,1- | 71-55-6 | 7.2 |
| TRICHLOROETHANE, 1,1,2- | 79-00-5 | 0.15 |
| TRICHLOROETHYLENE (TCE) | 79-01-6 | 0.17 |
| TRICHLOROPHENOL, 2,4,5- | 95-95-4 | 6100 |
| TRICHLOROPHENOL, 2,4,6- | 88-06-2 | 8.9 |
| TRICHLOROPHENOXYACETIC ACID, 2,4,5- (2,4,5-T) | 93-76-5 | 1.5 |
| TRICHLOROPHENOXYPROPIONIC ACID, 2,4,5- (2,4,5-TP) (SILVEX) | 93-72-1 | 22 |
| TRICHLOROPROPANE, 1,1,2- | 598-77-6 | 8.7 |
| TRICHLOROPROPANE, 1,2,3- | 96-18-4 | 0.82 |

## Table GP-1a
## Regulated Fill Concentration Limits For Organics

| | | |
|---|---|---|
| TRICHLOROPROPENE, 1,2,3- | 96-19-5 | 30 |
| TRIFLURALIN | 1582-09-8 | 0.96 |
| PARAMETER | | Regulated Fill |
| | | Total analysis |
| | CASRN | mg/kg |
| | | |
| TRIMETHYLBENZENE, 1,3,4- (TRIMETHYLBENZENE, 1,2,4-) | 95-63-6 | 20 |
| TRIMETHYLBENZENE, 1,3,5- | 108-67-8 | 6.2 |
| TRINITROTOLUENE, 2,4,6- | 118-96-7 | 0.023 |
| VINYL ACETATE | 108-05-4 | 14 |
| VINYL BROMIDE (BROMOETHENE) | 593-60-2 | 0.28 |
| VINYL CHLORIDE | 75-01-4 | 0.027 |
| WARFARIN | 81-81-2 | 7.4 |
| XYLENES (TOTAL) | 1330-20-7 | 990 |
| ZINEB | 12122-67-7 | 81 |

## Table GP-1b
## Regulated Fill Concentration Limits For Metals and Inorganics

| PARAMETER | CASRN | Regulated Fill Total analysis mg/kg |
|---|---|---|
| ALUMINUM | 7429-90-5 | 190000 |
| ANTIMONY | 7440-36-0 | 27 |
| ARSENIC | 7440-38-2 | 53 |
| BARIUM AND COMPOUNDS | 7440-39-3 | 8200 |
| BERYLLIUM | 7440-41-7 | 320 |
| BORON AND COMPOUNDS | 7440-42-8 | 6.7 |
| CADMIUM | 7440-43-9 | 38 |
| CHROMIUM III | 16065-83-1 | 190000 |
| CHROMIUM VI | 18540-29-9 | 190 |
| COBALT | 7440-48-4 | 22 |
| COPPER | 7440-50-8 | 36000 |
| CYANIDE, FREE | 57-12-5 | 200 |
| IRON | 7439-89-6 | 190000 |
| LEAD | 7439-92-1 | 450 |
| MANGANESE | 7439-96-5 | 190000 |
| MERCURY | 7439-97-6 | 10 |
| NICKEL | 7440-02-0 | 650 |
| NITRATE NITROGEN | 14797-55-8 | na |
| NITRITE NITROGEN | 14797-65-0 | na |
| SELENIUM | 7782-49-2 | 26 |
| SILVER | 7440-22-4 | 84 |
| THALLIUM | 7440-28-0 | 14 |
| TIN | 7440-31-5 | 680 |
| VANADIUM | 7440-62-2 | 72000 |
| ZINC | 7440-66-6 | 12000 |

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