

WMGR028, RAP Industry- Wide Coproduct and Management of Fill

Department of Environmental Protection
4/15/2026





BWM Organizational Chart

- General Permits, Coproducts and Management of Fill Policy fall under Municipal and Residual Waste



Waste Facilities

Municipal Waste (MW)

- Landfills (LFs), including Construction/Demolition
- Transfer Stations
- Incinerators/Resource Recovery Facilities (RRFs)
- Regulated Medical & Chemotherapeutic (RMCW)

Residual Waste (RW)

- LFs (captive and noncaptive)
- Disposal Impoundments
- Incinerators
- Other processing/disposal

Waste Permits

Individual Permit

- Site Specific Permit
- Application Based Mechanism
- Typically Authorize
 - Disposal Facilities
 - Resource Recovery Facilities
 - Transfer Facilities
- Most Rigorous Permitting Mechanism

General Permit

- Activity Specific Permit
- Authorize Processing Prior to Beneficial Use and Beneficial Use
- Base Permit Application Based or Department-Initiated
- Application Based Coverage Under GP

Permit-By-Rule (PBR)

- Activity Specific Permit
- Regulatory/Compliance Based Mechanism
- Sometimes Require Notification/Information Submitted to Department
- Usually Less Complex, Less Potential for Environmental Harm or Permitted by Other Department Program



Permits-By-Rule

- Requirements Codified in Regulation
- 25 Pa. Code § § [271.103](#) (MW PBR) and [287.102](#) (RW PBR)
- Examples:
 - Mechanical Processing Facility (Notice to Department Required)
 - MW Limited to 50 Tons/Day (C&D Waste)
 - Captive Processing Facility (Notice to Department Required for RW or Special Handling Waste)
 - Captive Incinerator (Notice to Department Required)
 - Yard Waste Composting Facility (Notice to Department Required)





Waste General Permits

Permitting program for processing prior to beneficial use and beneficial use of waste

- Accomplished through the use of approximately 100 “base” **general permits**
- Approximately 500 active authorizations/coverages under the program
- Regulated medical and chemotherapeutic waste – not included for this discussion
- 10-year maximum permit terms



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What is a Waste General Permit?

- A permit that applies to municipal or residual waste processing and/or beneficial use activities.
- May be issued regionally or statewide for a category of processing and/or beneficial use of municipal waste.
- Must be:
 - Generated by same or similar operations,
 - Similar physically and chemically, and
 - Used and processed in a similar fashion.



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What Is A Waste General Permit?

- Processing/beneficial use can be adequately regulated utilizing standardized conditions without:
 - Harming or presenting a threat of harm to the health, safety or welfare of the people or environment of this Commonwealth.
 - Presenting a greater harm or threat of harm than the use of a product or ingredient which the waste is replacing.
- May apply for coverage under an existing general permit (registration or determination of applicability) or apply for a new general permit.
- [Link to Municipal Waste General Permits](#)
- [Link to Residual Waste General Permits](#)



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What Can't Be Covered By A General Permit?

- The commercial processing or beneficial use of regulated medical or chemotherapeutic waste.
- The beneficial use of sewage sludge by land application for sewage sludge that is not mixed with residual waste.
- Use of waste oil or asbestos containing waste on roadways.
- Surface land disposal activities.
- Use of municipal or residual waste for construction or operations at a disposal facility.



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WMGR028

- Originally issued in 1997 to Pennsylvania Asphalt Pavement Association
- Department has received over 200 applications for greater than 100 distinct sites.
- Last renewed in 2017. Up for renewal in August of 2027.
- To ensure no lapse in coverage, renewal applications should be received by the Department at least 180 days before expiration

[Link to WMGR028](#)





WMGR028

- Authorizes beneficial use of baghouse fines and scrubber pond precipitates as:
 - Aggregate in roadway construction
 - Soil additive or soil conditioner
 - Component or ingredient in the manufacturing of construction projects
- Analysis of representative sample(s) prior to beneficial use
- Version issued in 2017 does not authorize storage or transfer
 - No authorization required for storage at point of generation





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WMGR028

- In 2024, industry representatives reached out to the Department.
- Identified concerns related to lack of storage capacity at many asphalt plants.
- Considered use of captive processing facility permit-by-rule to authorize alternative storage. This approach was not sufficient.
- In May of 2025, York Materials Group, LLC submitted an application to modify WMGR028 and obtain coverage for an alternative storage location.





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WMGR028

- Department incorporating provisions to WMGR028 to require appropriate management, including storage in accordance with 25 Pa. Code, Chapter 299 Residual Waste Storage Requirements
- General provisions that apply to all alternative storage locations





WMGR028

- Provisions are being included to address storage of baghouse fines from multiple points of generation at a single location
- If all baghouse fines meet the same chemical requirements, they can be comingled and managed appropriately.
- If the baghouse fines do not meet the same chemical limits in Table 1 of WMGR028, they should be:
 - stored and managed separately, or
 - if combined, shall be managed using the more restrictive of the requirements in the permit.



WMGR028

Table 1⁽⁷⁾

Chemical Concentration Limits

Constituents	Option 1 ⁽²⁾	Option 2 ⁽³⁾		Option 3 ⁽⁶⁾	
	Total (mg/kg)	Total (mg/kg)	Leachate ⁽¹⁾ (mg/L)	Total (mg/kg)	Leachate ⁽¹⁾ (mg/L)
Arsenic	29	29	0.25	29	0.05
Barium	1,000	15,000	50	15,000	2
Cadmium	2.5	47	0.125	47	0.005
Chromium (Total)	50	94	2.5	94	0.1
Copper	1,500	1,500	25	1,500	1
Lead	112.5	500	0.125	500	0.005
Mercury	1	66	0.05	66	0.002
Molybdenum	18	18	4.375	18	0.175
Nickel	50	420	2.5	420	0.1
PHC ⁽⁴⁾ (Total)	500	500	-	500 ⁽⁵⁾	-
Selenium	25	1,100	1	1,100	0.05
Zinc	1,000	2,800	50	2,800	2
pH (standard units)	> 5.5	> 5.5	-	> 5.5	-



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Alternative Storage Location at Non-Coal Active Mine Site

- Mining permit shall be updated to incorporate storage of baghouse fines by appropriate Department District Mining Office
- If existing bond for the mine site is not adequate to cover storage of baghouse fines, bond shall be updated prior to receiving baghouse fines.





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Alternative Storage Location Other than Mine Site

- Incorporates setbacks from 25 Pa. Code, § 293.202, relating to residual waste transfer facilities.
- Requires bonding to cover storage of baghouse fines at the alternative storage location.





Coproduct Definition

Coproduct—

- (i) A material generated by a manufacturing or production process, or a spent material, of a physical character and chemical composition that is consistently equivalent to the physical character and chemical composition of an intentionally manufactured product or produced raw material, if the use of the material presents no greater threat of harm to human health and the environment than the use of the product or raw material. A material may not be compared, for physical character and chemical composition, to a material that is no longer determined to be waste in accordance with § 287.7 (relating to determination that a material is no longer a waste). A coproduct determination, which shall be made in accordance with § 287.8 (relating to coproduct determinations), only applies to materials that will be applied to the land or used to produce products that are applied to the land, including the placement of roadway aggregate, pipe bedding or construction materials, or that will be used for energy recovery as is with a minimum BTU value of 5,000/lb. as generated or as fired. If the proposed coproduct material is oil, a determination may only be made for oil refined from crude oil or synthetically produced oil, not contaminated by physical or chemical impurities, that will be used for energy recovery if the material has a minimum heat content (BTU value) comparable to the petroleum fuel it will replace.

...

Coproduct Definition

(ii) The term only applies to one of the following:

(A) If the material is to be transferred in good faith as a commodity in trade, for use in lieu of an intentionally manufactured product or produced raw material, without processing that would not be required of the product or raw material, and the material is not accumulated speculatively. Sizing, shaping or sorting of the material will not be considered processing for the purpose of this definition.

(B) If the material is to be used by the manufacturer or producer of the material in lieu of an intentionally manufactured product or produced raw material, without processing that would not be required of the product or raw material, and the material is not accumulated speculatively. Sizing, shaping or sorting of the material will not be considered processing for the purpose of this definition.

...



Coproduct Definition

- (iii) If no product or produced raw material exists for purposes of chemical and physical comparison, the Department will review, upon request, information provided and determine whether the material is a coproduct because it is an effective substitute for an intentionally manufactured product or produced raw material, based on the criteria in subparagraph (ii) and whether the material presents a threat of harm to human health and the environment in accordance with § 287.8.
- (iv) A waste may become a coproduct after processing if it would otherwise qualify as a coproduct.
- (v) Persons producing, selling, transferring, possessing or using a material who claim that the material is a coproduct and not a waste shall demonstrate that there is a known market or disposition for the material, and that they meet the terms of this definition and § 287.8. In doing so, they shall provide appropriate documentation, such as contracts showing that a second person uses the material as an ingredient in a production process, to demonstrate that the material is not a waste.



Coproduct Requirements

- [25 Pa. Code, § 287.8. Coproduct determinations](#)
- Must be used as a substitute for an intentionally manufactured product or produced raw material.
- Must characterize waste and demonstrate no greater threat of harm than the product or raw material it is replacing.





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Industry – Wide Coproducts

- [25, Pa. Code § 287.9. Industry-wide coproduct determinations](#)
- Regulations that allow the Department, with sufficient supporting information, to determine that, on an industry-wide basis, classes of materials are coproducts for specific uses.
- There is only one...

Reclaimed Asphalt Pavement





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Reclaimed Asphalt Pavement

- The Department distinguishes between used asphalt (greater than 1") and Reclaimed Asphalt Pavement (RAP) (Less than 1").
- Used asphalt may qualify for use as clean or regulated fill.
- RAP is disqualified for use as fill, as the smaller particle size may have a higher potential for leaching of the asphalt binder if mismanaged.
- RAP may contain incidental clean fill generated in the milling of roadway shoulders.





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Industry-Wide Coproduct

- RAP can only qualify as an industry-wide coproduct if it's used in the following ways:
 - As an aggregate, sub-grade or sub-base
 - As a construction material for compacted roadway shoulder or backup applications
 - As a construction material for roadway or vehicle use areas
 - As a hot or cold mix product, meeting applicable industry specifications





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RAP Industry-Wide Coproduct

- The industry-wide coproduct determination applies to the use of RAP, including its transportation, placement and storage.
- Users shall comply with applicable Acts and the Residual Waste Regulations.
- May not create a nuisance, or threat of harm to public health, safety or the environment.
- Users shall prevent dispersal by wind or rain.
- Storage times shall not exceed 2 construction seasons prior to use.





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Management of Fill Policy

- Useful Links
 - [Management of Fill Policy](#)
 - [Certification of Clean Fill](#)
 - [Management of Fill Policy FAQ's](#)
 - Quick Reference Tables:
 - [Organic Regulated Substances](#)
 - [Inorganic Regulated Substances](#)





Clean Fill

- Permit exception for the use of “uncontaminated soil, rock, stone, gravel and brick, block, concrete and used asphalt”
 - [25 Pa. Code, § 271.101\(b\)\(3\)](#)
 - [25 Pa. Code, § 287.101\(b\)\(6\)](#)
- Management of Fill Policy describes how that permit exception can be met.
 - Environmental Due Diligence
 - Clean Fill Concentration Limits (Based Upon Residential Statewide Health Standards)





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Clean Fill

- Electronic submittal of FP-001
- Certification of Clean Fill
 - Eliminated paperwork between donor site and receiving site.
 - Streamlined notifications and provides confirmation to the submitter that the information has been received by DEP.
 - Should be submitted for all offsite movement of clean fill.





Walkthrough of Clean Fill Certification Electronic Submittal

FORM FP-001 - CERTIFICATION OF CLEAN FILL

Prior to completing this form and signing this certification, please review the entire Management of Fill policy (#258-2182-773), including the certification requirements. Please note that historic fill, as defined in the Management of Fill policy, may meet the definition of clean fill if the material is limited to uncontaminated soil, rock, stone, dredged material, used asphalt, and brick, block or concrete from construction and demolition activities that is separate from other waste and recognizable as such.

Fill containing a concentration of total PCBs greater than 2 ppm may be subject to regulation under the Toxic Substances Control Act (TSCA), 15 U.S.C. Section 2601 et seq., and 40 C.F.R. Part 761, which is administered and implemented by the USEPA. For all such material, contact the PCB Coordinator for EPA Region 3 by email at R3_PCB_Coor@epa.gov to determine the allowable PCB level for your site and situation prior to transporting the material off the site of origin or accepting the material for use.

Instructions: Sections 1 and 2 of this form must be completed by the person making the determination of clean fill at the site of origin. Section 3 must be completed by the person using the material as clean fill. Both the person determining clean fill and the user of the clean fill are responsible for maintaining copies of this completed form on site for a period of five (5) years for Department inspection.

Reference Number

1156

Section 1: Person Determining Clean Fill

Name *

Jason Dunham

Title

Environmental Engineer Specialist

Company Name

PA DEP

Street Address *

400 S. Market St.

City *

Harrisburg

State *

PA

Zip Code *

17106

Telephone Number *

(717)787-7381

E-mail Address *

jadunham@pa.gov

Clean Fill Material originated on the following property:

Site Name

Rachel Carson State Office Building

Use same address as above

Street Address *

400 S. Market St.

City *

Harrisburg

State *

PA

County *

DAUPHIN

Zip Code *

17106

Municipality *

HARRISBURG CITY

Region

SCRO



Walkthrough of Clean Fill Certification Electronic Submittal

Section 2: Site Characterization (Check the following that applies – At least one option is required)

A.

IF the site of origin for the fill material has undergone or is undergoing cleanup or remediation pursuant to a local state or federal regulatory program that requires site characterization, provide the following information along with a copy of the entire site characterization and laboratory analysis for the material to be used as clean fill.

B.

IF the material proposed to be used as clean fill has otherwise been subject to analytical testing or other procedure identified in the definition of "environmental due diligence" contained in the Management of Fill policy, provide or attach the following:

Copies of ALL lab analytical testing performed as part of environmental due diligence (see Management of Fill policy, #258-2182-773)

Name of the Laboratory that conducted the analysis: *

PA Laboratory Accreditation Number: *

Section B Attachment (Please make sure you attach standard file formats like PDF, JPEG, TIFF, DOC, XLS, etc)

CCF Attachment B *

C:\Users\jadunham\OneDrive - Commonwealth of Pennsylvania\Desktop\MOFP.pdf [Remove](#)

C.

Environmental due diligence - Investigative techniques used to determine whether fill from a donor site has been affected by a release of a regulated substance. Examples of investigative techniques included in this term are visual property inspections, electronic data base searches, review of ownership and historical use of a property, Sanborn maps, environmental questionnaires, transaction screens, analytical testing, environmental assessments, audits, or procedures outlined in ASTM standard E1527 13. A single investigative technique may not be used as the basis for environmental due diligence. Environmental due diligence includes visual property inspection and a review of ownership and historical property use, at a minimum.

Please fill in the description *

Section C Attachment (Please make sure you attach standard file formats like PDF, JPEG, TIFF, DOC, XLS, etc)

CCF Attachment C

100%



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C.

Environmental due diligence - Investigative techniques used to determine whether fill from a donor site has been affected by a release of a regulated substance. Examples of investigative techniques included in this term are visual property inspections, electronic data base searches, review of ownership and historical use of a property, Sanborn maps, environmental questionnaires, transaction screens, analytical testing, environmental assessments, audits, or procedures outlined in ASTM standard E1527 13. A single investigative technique may not be used as the basis for environmental due diligence. Environmental due diligence includes visual property inspection and a review of ownership and historical property use, at a minimum.

Please fill in the description *

Visual Inspection, Review of Ownership Records and Historical Site Use, Analytical Testing

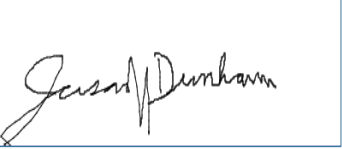
Section C Attachment (Please make sure you attach standard file formats like PDF, JPEG, TIFF, DOC, XLS, etc)

CCF Attachment C

[Attach CCF Attachment C](#)

Submitter's Signature

I, the undersigned, certify under penalty of law (18 Pa. C.S.A. §4904) that the information provided in Sections 1 and 2 of this form is true and correct to the best of my knowledge, information and belief. *



[Clear](#)

Provide the information of the person receiving / placing Clean Fill

Name *

Kevin Beer

E-mail Address *

kbeer@pa.gov

Section 3: Person Receiving or Placing Clean Fill

Prior to placement of the clean fill, the owner of the property receiving fill material shall provide a copy of this completed form and attachments to the DEP Regional Office serving the county in which the receiving site is located. If a property receives fill from multiple sources, a separate Form FP-001 is required for each source.

[Submit](#)



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Walkthrough of Clean Fill Certification Electronic Submittal

[TEST] [RECEIVED] Certification of Clean Fill has been received - Message (HTML)

File Message Help Tell me what you want to do

Ignore Delete Archive Reply Reply All Forward Meeting IM+ More+ Medical Waste To Manager Rules+ OneNote Mark Categorize Follow Up+ Translate Related+ Read Aloud Zoom Insights

Mon 12/2/2019 2:53 PM

donotreply@pa.gov

[TEST] [RECEIVED] Certification of Clean Fill has been received

To Edupuganti, Charan; Dunham, Jason

Dear Jason Dunham,

Your submittal of Sections 1 and 2 of the Certification of Clean Fill has been received. Please note that clean fill material should not be moved offsite until Section 3 is completed and submitted by the person receiving the clean fill.

Name of person certifying the Clean Fill: JASON DUNHAM
Site Name: RACHEL CARSON STATE OFFICE BUILDING
Site Address: [400 S. Market St., Harrisburg, Pa - 17106](#)
Reference Number : 1156

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Walkthrough of Clean Fill Certification Electronic Submittal

[TEST] Certification of Clean Fill from JASON DUNHAM - Message (HTML) (Read-Only)

File Message Help Tell me what you want to do

Ignore Delete Archive Reply Reply All Forward Meeting IM More

Medical Waste To Manager Team Email Done Reply & Delete Create New

Move OneNote Actions

Mark Unread Categorize Follow Up

Translate Related Select

Find Read Aloud Zoom

Speech Zoom

Mon 12/2/2019 2:54 PM

Dangelo, Willer

[TEST] Certification of Clean Fill from JASON DUNHAM

To Beer, Kevin

Dear Kevin Beer,

Please review the Sections 1 and 2 of the Certification of Clean Fill determination request sent by Jason Dunham.

Name of person certifying the Clean Fill: JASON DUNHAM
Site Name: RACHEL CARSON STATE OFFICE BUILDING
Site Address: 400 S. Market St., Harrisburg, Pa - 17106
Reference Number : 1156

Click the link below and insert the PIN sent in a separate email:
<http://www.dep.greenport.state.pa.us/obWebSTGAppNet/docpop/docpop.aspx?docid=246374&chksum=dd87d2a378725c51ca82a34a14b42912ef43eef8bd41c5a61bd6d8e79faa095c>

Complete and submit section 3 of the Certification of Clean Fill.

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[TEST] [PIN] Certification of Clean Fill No. 384 - Message (HTML) (Read-Only)

File Message Help Tell me what you want to do

Ignore Junk Archive Reply Reply All Forward IM Meeting Medical Waste Team Email Reply & Delete To Manager Done Create New Move OneNote Mark Unread Categorize Follow Up Translate Related Select Read Aloud Zoom

Mon 12/2/2019 2:54 PM

• Dangelo, Willer

[TEST] [PIN] Certification of Clean Fill No. 384

To: Beer, Kevin

Dear Kevin Beer,

Please insert this PIN to enable completion and submittal of Section 3 of the Certification of Clean Fill.
Form PIN: 384

Reference Number : 1156

Walkthrough of Clean Fill Certification Electronic Submittal

Certification of Clean Fill



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WASTE MANAGEMENT

FORM FP-001 - CERTIFICATION OF CLEAN FILL

Prior to completing this form and signing this certification, please review the entire Management of Fill policy (#258-2182-773), including the certification requirements. Please note that historic fill, as defined in the Management of Fill policy, may meet the definition of clean fill if the material is limited to uncontaminated soil, rock, stone, dredged material, used asphalt, and brick, block or concrete from construction and demolition activities that is separate from other waste and recognizable as such.

Fill containing a concentration of total PCBs greater than 2 ppm may be subject to regulation under the Toxic Substances Control Act (TSCA), 15 U.S.C. Section 2601 et seq., and 40 C.F.R. Part 761, which is administered and implemented by the USEPA. For all such material, contact the PCB Coordinator for EPA Region 3 by email at R3_PCB_Coor@epa.gov to determine the allowable PCB level for your site and situation prior to transporting the material off the site of origin or accepting the material for use.

Instructions: Sections 1 and 2 of this form must be completed by the person making the determination of clean fill at the site of origin. Section 3 must be completed by the person using the material as clean fill. Both the person determining clean fill and the user of the clean fill are responsible for maintaining copies of this completed form on site for a period of five (5) years for Department inspection.

Reference Number

Insert PIN here to edit Section 3



Unlocks Section 3

Section 1: Person Determining Clean Fill

Name *

Title

Company Name

Street Address *

City *

State *

Zip Code *

Telephone Number *

E-mail Address *

Clean Fill Material originated on the following property:

Site Name

Walkthrough of Clean Fill Certification Electronic Submittal

Section 3: Person Receiving or Placing Clean Fill

Name and address of person completing this form:

Name *	<input type="text" value="KEVIN BEER"/>	Date	<input type="text" value="12/02/2019"/>				
Mailing Address *	<input type="text" value="1009 Idaho Avenue"/>	City *	<input type="text" value="Natrona Heights"/>	State	<input type="text" value="PA"/>	Zip Code	<input type="text" value="15065"/>
Telephone Number *	<input type="text" value="(724)224-6893"/>	E-mail Address *	<input type="text" value="kbeer@pa.gov"/>				

Fill material that has been determined to be clean fill will be placed on the following property solely for property improvement or construction purposes

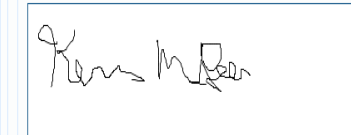
Use same address as above

Property Address *	<input type="text" value="1009 Idaho Avenue"/>	City *	<input type="text" value="Natrona Heights"/>	State *	<input type="text" value="PA"/>	Zip Code *	<input type="text" value="15065"/>
County	<input type="text" value="ALLEGHENY"/>	Municipality	<input type="text" value="HARRISON TOWNSHIP"/>	Region	<input type="text" value="SOUTHWEST REGIONAL OFFICE"/>	Site Name	<input type="text"/>
Current Owner of Property *	<input type="text" value="Kevin Beer"/>	E-mail Address	<input type="text"/>				
Telephone Number *	<input type="text" value="(724)224-6893"/>						

The quantity of clean fill to be placed on the property is:

Quantity in Cubic Yards *

I, the undersigned, certify under penalty of law (18 Pa. C.S.A. §4904) that the information provided is true and correct to the best of my knowledge, information and belief. *



Date Signed



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Walkthrough of Clean Fill Certification Electronic Submittal

Confirmation to submitter A after correction - Message (HTML) (Read-Only)

File Message Help Tell me what you want to do

Ignore Delete Archive Reply Reply Forward Meeting Medical Waste To Manager
Junk + Select All Reply All IM + Team Email Done
Reply & Delete Create New

Quick Steps Move OneNote Mark Categorize Follow Up Translate Related Read Zoom
Unread Tags Up Select + Aloud Zoom

Mon 12/2/2019 3:35 PM

Dangelo, Willer

Confirmation to submitter A after correction

To Beer, Kevin Dunham, Jason

Dear Jason Dunham,

Your submittal of the Certification of Clean Fill has been received.

Name of person certifying the Clean Fill: Jason Dunham
Site Name: Rachel Carson State Office Building
Site Address: 400 S. Market St., Harrisburg, Pa - 17106
Reference Number : 1156

Please find below link and the reference number to the form you submitted for your reference.

You can save a copy of the form by clicking the link and right click and select Print.

<http://epensecms01/obWebSTGAppNet/docpop/docpop.aspx?docid=246374&chksum=dd87d2a378725c51ca82a34a14b42912ef43eef8bd41c5a61bd6d8e79faa095c>



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Regulated Fill

- Use of regulated fill authorized by WMGR096.
 - Originally issued in April of 2004
 - 5-year permit term
 - Current version expires June 28, 2027
 - Renewal applications should be submitted 180+ days prior to that expiration





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Regulated Fill

- Only authorized for use at commercial or industrial sites.
- Environmental due diligence
- Shall meet regulated fill concentration limits
 - Derived from Non-Residential Statewide Health Standards





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Background Demonstration and Alternative Site Evaluation

- Management of Fill Policy, Appendix A, Section G
- Mechanism for movement of clean or regulated fill that exceeds limits for a constituent if it can be demonstrated that the exceedance is the result of naturally occurring metals or ubiquitous widespread atmospheric deposition of some organics.
- Necessitates characterization of material at donor site and receiving site, along with evaluation and determination that material coming from donor site has lower concentration of contamination.



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Current Statewide Health Standards

- Based upon scientific, risk-based studies.
- In effect since November 21, 2021.
 - Include soil Medium Specific Concentrations (MSC's) for PFBS, PFOA and PFOS.
 - However, no soil to groundwater values established. Appendix A, Section F method for determining a soil specific alternative soil to groundwater value should be followed.
- According to Act 2, Statewide Health Standards are to be updated on a 36-month cycle.

Updates to Statewide Health Standards

Regulated Substance	CASRN	Used Aquifers								Nonuse Aquifers			
		TDS ≤ 2500				TDS > 2500				R		NR	
		R		NR		R		NR		R		NR	
HEXAFLUOROPROPYLENE OXIDE (HFPO) DIMER ACID (Gen-X)*	13252-13-6	0.01	M	0.01	M	1	M	1	M	0.01	M	0.01	M
PERFLUOROBUTANE SULFONIC ACID (PFBS) *	375-73-5	2	H	2	H	200	H	20	H	2	H	2	H
PERFLUOROHXANE SULFONIC ACID (PFHxS) *	108427-53-8	0.01	M	0.01	M	1	M	1	M	0.01	M	0.01	M
PERFLUORONONANOIC ACID (PFNA) *	72007-68-2	0.01	M	0.01	M	1	M	1	M	0.01	M	0.01	M
PERFLUOROOCTANE SULFONATE (PFOS)	1763-23-1	0.004	M	0.004	M	0.4	M	0.4	M	0.004	M	0.004	M
PERFLUOROOCTANOIC ACID (PFOA)	335-67-1	0.004	M	0.004	M	0.4	M	0.4	M	0.004	M	0.004	M

The United States Environmental Protection Agency (EPA) has established maximum contaminant levels (MCL) for the per- and polyfluoroalkyl substances (PFAS) compounds listed below. These MCLs will become the Statewide health standard medium-specific concentration (MSC) values for groundwater effective June 25, 2024.



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Updates to Statewide Health Standards

- Residential MSC for lead to be reduced from 500 mg/kg to 200 mg/kg.
- Projected timeline:
 - Targeting Environmental Quality Board in July.
 - If approved, updates would be finalized later this year.



Pennsylvania
Department of
Environmental Protection

Get In Touch

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The Department of Environmental Protection's mission is to protect Pennsylvania's air, land and water resources and to provide for the health and safety of its residents and visitors, consistent with the rights and duties established under the Environmental Rights Amendment (Article 1, Section 27 of the Pennsylvania Constitution).