



Mike Dewine, Governor
Jon Husted, Lt. Governor
Laurie A. Stevenson, Director

March 6, 2019

Ross Incineration Services, Inc.
c/o Ms. Patricia Lawson, VP
36790 Giles Road
Grafton, OH 44044

**Re: Ross Incineration Services, Inc.
Director's Final Findings and Orders
(DFFO)
DFFO
RCRA C - Hazardous Waste
Lorain County
OHD048415665**

Subject: Final Findings and Orders of the Director

Dear Sir:

Transmitted herewith are the Final Findings and Orders of the Director concerning the matter indicated for Ross Incineration Services, Inc.

If you have any questions, please contact Sarah Miles at (614) 644-2840.

Sincerely,

A handwritten signature in black ink that reads "Tonya Andrews". The signature is written in a cursive, flowing style.

Tonya Andrews, Administrative Professional 3
Division of Environmental Response & Revitalization

Enclosure

cc: Mitch Mathews, DERR, CO
Natalie Oryshkewych, DERR, NEDO
Todd Anderson, Legal
Sarah Miles, Legal

BEFORE THE
OHIO ENVIRONMENTAL PROTECTION AGENCY

In the Matter of:

Ross Incineration Services, Inc.
36790 Giles Road
Grafton, OH 44044

Director's Final

Findings and Orders

Respondent

PREAMBLE

It is agreed by the parties hereto as follows:

[Signature] Date: 3/5/19

I. JURISDICTION

These Director's Final Findings and Orders (Orders) are issued to Ross Incineration Services, Inc. (Respondent) pursuant to the authority vested in the Director of the Ohio Environmental Protection Agency (Ohio EPA) under Ohio Revised Code (ORC) §§ 3734.02(G), 3734.13 and 3745.01.

II. PARTIES BOUND

These Orders shall apply to and be binding upon Respondent and successors in interest liable under Ohio law. No change in ownership of Respondent or of the Facility shall in any way alter Respondent's obligations under these Orders.

III. DEFINITIONS

Unless otherwise stated, all terms used in these Orders shall have the same meaning as defined in ORC Chapter 3734. and the rules promulgated thereunder.

IV. FINDINGS

The Director of Ohio EPA has determined the following findings:

1. Pursuant to ORC § 3734.02(G) and rule 3745-50-31 of the Ohio Administrative Code (OAC), the Director may, by order, exempt any person generating, storing, treating, or disposing of hazardous waste in such quantities or under such circumstances that, in the determination of the Director, it is unlikely that the

public health or safety or the environment will be adversely affected thereby, from any requirement to obtain a permit or comply with other requirements of ORC Chapter 3734. Any such exemption shall be consistent with and equivalent to rules promulgated under the Resource Conservation and Recovery Act of 1976, 90 Stat. 2806, 42 U.S.C. § 6921 et seq., as amended. Respondent is a "person" as defined in ORC § 3734.01(G) and Ohio Administrative Code (OAC) rule 3745-50-10(A).

2. ORC § 3734.02(E)(2) requires all persons engaged in the storage, treatment, or disposal of any hazardous waste to have a hazardous waste installation and operation permit issued in accordance with ORC § 3734.05, except at a facility that is not subject to permit requirements under rules adopted by the Director pursuant to ORC § 3734.02(E)(3)(b).
3. Respondent owns and operates a hazardous waste storage and treatment facility located at 36790 Giles Road, Grafton, Lorain County, Ohio (Facility), which receives hazardous waste from off-site. On January 29, 2014, Respondent was issued a hazardous waste facility installation and operation renewal permit (Permit) for storage and treatment of hazardous waste at the Facility. Respondent is permitted to store hazardous waste (in specific quantities) in areas designated as Bulk Storage Areas (BSA No.1 and No.2), Oxidizer Storage Building (OSB), Container Storage Facility (CSF), and the Waste Storage Bay (WSB). The Facility is assigned U.S. EPA identification number OHD048415665.
4. On November 30, 2018, Respondent submitted an application (2018 Application) to Ohio EPA pursuant to ORC § 3734.02(G) and OAC rule 3745-50-31 for an exemption from ORC § 3734.02(E), OAC rules 3745-55-11 and 3745-55-78, and Condition E. 10 Module E of Respondent's Permit. The 2018 Application included information justifying the request and documentation that the storage of hazardous waste in areas not permitted for storage at the Facility without a hazardous waste installation and operation permit is unlikely to adversely affect public health or safety or the environment.
5. Ohio EPA and Respondent agreed to Director's Final Findings and Orders (2018 Orders), which were entered into the Director's journal on December 8, 2018. All Findings made in the 2018 Orders are hereby incorporated by reference. The 2018 Orders exempted Respondent from the requirement to obtain a hazardous waste storage permit for storage of hazardous waste not authorized by Respondent's Permit outlined in Respondent's 2018 Application.

6. On February 8, 2019, the Director approved Respondent's class 2 permit modification to construct Waste Storage Bays (WSB #2) for purposes of hazardous waste container storage. WSB #2 once constructed will allow for the storage of up to 121,180 gallons of hazardous waste.
7. On February 22, 2019, Respondent submitted an application (2019 Application) to Ohio EPA pursuant to ORC § 3734.02(G) and OAC rule 3745-50-31 for an exemption from ORC § 3734.02(E), OAC rules 3745-55-11 and 3745-55-78, and Condition E. 10 Module E of Respondent's Permit. The 2019 Application is attached and incorporated herein. Additionally, Attachments B and C of the 2018 Application are incorporated and attached. The 2019 Application included information justifying the request and documentation that the storage of hazardous waste in areas not permitted for storage at the Facility without a hazardous waste installation and operation permit is unlikely to adversely affect public health or safety or the environment. As part of the information provided, Respondent explained this exemption would be temporary until such time that the new WSB #2 was constructed.
8. As described in the 2019 Application, Respondent will continue to comply with all conditions and requirements of the Permit and additional measures and precautions described in the 2019 Application and Attachments B and C of the 2018 Application, including, but not limited to, additional fire extinguishers, inspections twice a day, notification to local fire department of additional hazardous waste storage areas, additional training for operators and personnel, and secondary containment in the form of berms and other spill control measures.
9. As described in the 2019 Application, Respondent will store hazardous waste, for up to 120 days after the effective date of these Orders, in the following areas and quantities:
 - Concrete areas surrounding the Process Dock (approximately 5 vans) described as Area 1 on Attachment A
 - Concrete pad north and east of the Container Storage Area (approximately 8 vans) described as Area 2 on Attachment A
 - Area over the South Landfill identified for remediation under Corrective Action (up to 8 vans) described as Area 3 on Attachment A
 - Area known as the Mixing Area identified for remediation under Corrective Action (up to 20 vans) described as Area 4 on Attachment A
10. Pursuant to ORC § 3734.02(G) and OAC rule 3745-50-31, the Director has determined that Respondent's management of hazardous waste at the Facility

described in the 2019 Application and Attachments B and C of the 2018 Application from the effective date of these Orders is unlikely to adversely affect public health or safety or the environment so long as it is managed in accordance with these Orders and the 2019 Application.

V. ORDERS

Respondent shall achieve compliance with Chapter 3734. of the ORC and the regulations promulgated thereunder according to the following compliance schedule:

1. Respondent is hereby exempted from the requirements to obtain a hazardous waste installation and operation permit issued in accordance with ORC § 3734.05, as required by ORC § 3734.02(E)(2), OAC rules 3745-55-11 and 3745-55-78 and Condition 10. of Module E of the Permit, to store hazardous waste in the areas described in the 2019 Application for up to 120 days after the effective date of these Orders, provided Respondent complies with the 2019 Application, Attachments A and B of the 2018 Application and the conditions herein. The exemption applies to all storage areas identified in Finding No. 9. of these Orders and described in the 2019 Application.
2. Respondent shall conduct confirmatory sampling if a release occurs in an area that does not have containment (e.g., gravel, areas where containment is impugned), unless the area is subject to the Exposure Control Plans for the South Landfill and Mixing Area. If a release occurs in an area subject to the Exposure Control Plans for the South Landfill and Mixing Area, Respondent shall clean up to a visual standard as described in the 2019 Application and document the cleanup response for purposes of investigation for corrective action.
3. Respondent may not exceed the maximum container storage capacity (851,840 gallons of hazardous waste) at the Facility pursuant to Respondent's Permit and may not exceed 121,180 gallons of hazardous waste in the areas described in Finding No. 9. of these Orders.
4. The Director may revoke the exemption granted in Order No. 1. for any reason including, but not limited to, a determination that Respondent's activities at the Facility adversely affect public health or safety or the environment and/or the activities are not being conducted in accordance with these Orders and/or the 2019 Application.
5. The exemption provided by Order No. 1. shall terminate 120 days after the effective date of these Orders.

6. If the Director revokes the exemption as described in Order No. 4., within 3 days of the revocation of the exemption, Respondent shall either move all hazardous waste into permitted storage areas as described in Respondent's Permit or cause the hazardous waste to be transported to an authorized facility.
7. The issuance of these Orders by the Director does not release Respondent of any liability Respondent may have incurred for any violations which may have occurred at the Facility prior to the effective date of these Orders. The issuance of these Orders does not release Respondent from any obligation Respondent has to comply with the State of Ohio's environmental laws, or any variance, except as otherwise specifically provided herein.
8. These Orders do not exempt Respondent from any other local, state, or federal laws or regulations which are otherwise applicable.

VI. TERMINATION

Respondent's exemption, Order No. 1. of these Orders, terminates 120 days after the effective date of these Orders, unless the exemption is revoked pursuant to Order No. 4. of these Orders

VII. OTHER CLAIMS

Nothing in these Orders shall constitute or be construed as a release from any claim, cause of action or demand in law or equity against any person, firm, partnership or corporation, not a party to these Orders, for any liability arising from, or related to, the operation of Respondent's Facility.

VIII. OTHER APPLICABLE LAWS

All actions required to be taken pursuant to these Orders shall be undertaken in accordance with the requirements of all applicable local, state and federal laws and regulations. These Orders do not waive or compromise the applicability and enforcement of any other statutes or regulations applicable to Respondent.

IX. MODIFICATIONS

These Orders, including the 2019 Application, may be modified by agreement of the

parties hereto. The effective date of the modifications shall be the date approved by Ohio EPA.

X. NOTICE

All documents required to be submitted by Respondent pursuant to these Orders shall be addressed to:

Ohio Environmental Protection Agency
Northeast District Office
Division of Environmental Response and Revitalization
2110 East Aurora Road
Twinsburg, Ohio 44087
Attn: Hazardous Waste Program Manager

and Ohio EPA Central Office at the following address:

For mailings, use the post office box number:

Manager, Hazardous Waste Compliance Assurance Section
Ohio Environmental Protection Agency
Lazarus Government Center
Division of Environmental Response and Revitalization
P.O. Box 1049
Columbus, Ohio 43216-1049

For deliveries to the building:

Manager, Hazardous Waste Compliance Assurance Section
Ohio Environmental Protection Agency
Lazarus Government Center
Division of Environmental Response and Revitalization
50 West Town Street
Columbus, Ohio 43215

or to such persons and addresses as may hereafter be otherwise specified in writing by Ohio EPA.

XI. RESERVATION OF RIGHTS

Ohio EPA and Respondent each reserve all rights, privileges and causes of action, except as specifically waived in Section XII. of these orders.

XII. WAIVER

In order to resolve disputed claims, without admission of fact, violation or liability, and in lieu of further enforcement action by Ohio EPA for only the violations specifically cited in these Orders, Respondent consents to the issuance of these Orders and agrees to comply with these Orders.

Respondent hereby waives the right to appeal the issuance, terms and conditions, and service of these Orders, and Respondent hereby waives any and all rights Respondent may have to seek administrative or judicial review of these Orders either in law or equity.

Notwithstanding the preceding, Ohio EPA and Respondent agree that if these Orders are appealed by any other party to the Environmental Review Appeals Commission, or any court, Respondent retains the right to intervene and participate in such appeal. In such an event, Respondent shall continue to comply with these Orders notwithstanding such appeal and intervention unless these Orders are stayed, vacated or modified.

XIII. EFFECTIVE DATE

The effective date of these Orders is the date these Orders are entered into the Ohio EPA Director's journal.

XIV. SIGNATORY AUTHORITY

Each undersigned representative of a party to these Orders certifies that he or she is fully authorized to enter into these Orders and to legally bind such party to these Orders.

IT IS SO ORDERED AND AGREED:

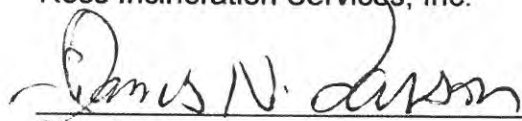
Ohio Environmental Protection Agency



Laurie A. Stevenson
Director

IT IS SO AGREED:

Ross Incineration Services, Inc.



Signature

March 4, 2019

Date

James N. Larson

Printed or Typed Name

President

Title



Ross Environmental Services, Inc.
A member of The RossWay Group



150 Innovation Dr.
Elyria, OH 44035

Patricia R. Lawson
Vice President, Corporate Compliance
and Risk Management
plawson@rossenvironmental.com
Direct Phone: (440)366-2070
Direct Fax: (440)366-2370

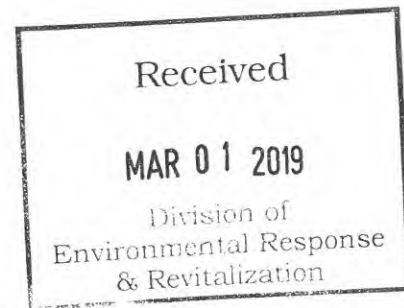
February 22, 2019

CERTIFIED # 9214 8901 9403 8379 2121 43

Ms. Laurie A. Stevenson, Director
Ohio Environmental Protection Agency
50 West Town Street, Suite 700
PO Box 1049
Columbus, OH 43216-1049

Re: Ross Incineration Services, Inc.
EPA I.D. #OHD048415665
Ohio EPA ID Number 02-47-0295

Dear Ms. Stevenson:



Ross Environmental Services, Inc., on behalf of Ross Incineration Services, Inc. (RIS) hereby submits this request for an extension of the Director's Final Findings and Orders ("Orders") journalized on December 5, 2018 and granted under the provisions of ORC 3734.02(G) and OAC 3745-50-31 – *Exemptions*. Specifically, on November 30, 2018, RIS submitted an application ("2018 Application") to the Ohio Environmental Protection Agency ("Ohio EPA" or the "Agency") for an exemption from ORC §3734.02(E), OAC rules 3745-55-11 and 3745-55-78, and Module E of its Ohio Hazardous Waste Resource Conservation and Recovery Act ("RCRA") Part B Permit ("Permit.")

By way of background, the 2018 Application requested authorization to store hazardous waste in certain areas of the facility not covered under RIS' Part B permit. The request included information justifying that the storage of hazardous waste in these areas was unlikely to adversely affect public health, safety, or the environment and outlined specific conditions RIS would comply with for the duration of the Orders.

The exemption was requested because the hazardous waste treatment industry has experienced an unprecedented surge in containerized waste in the marketplace. This surge is a factor of varying market conditions, including what RIS believes is an increase in lighter containerized debris materials being received from generators. The excess of containerized waste in the marketplace is due to a number of factors in the waste treatment industry as well, including multiple facilities' simultaneous extended shutdowns, the general lack of containerized storage and treatment capacity overall, and the impending seasonal shutdown of cement kilns. This has resulted in receiving restrictions at multiple Treatment, Storage and Disposal Facilities (TSDFs), both regionally and nationally, thus impacting generators' ability to ship their wastes and who are coming up on their own generator storage compliance time limits.

On December 5, 2018 the Agency issued the Orders granting RIS' request for a period of 90 days, up to March 5, 2019.

Statement of Need. The market conditions described in the 2018 application remain the same and in fact, may even be more challenging now than they were 90 days ago. While RIS has been able to successfully manage its inventory and incoming receipts, the demand in the marketplace continues to provide challenges to generators looking for final treatment and disposal outlets.

As you know, RIS began making plans in 2018 to address its physical storage space limitations and submitted a Class 2 Permit Modification Request ("PMR") to Ohio EPA to add to a second set of ten Waste Storage Bays ("WSB #2"). The Agency subsequently approved the Class 2 PMR on February 8, 2019. The newly approved PMR for WSB #2 will enable RIS to store 121,180 gallons of hazardous waste. RIS is now seeking to extend the original time stipulated in the Orders to 120 days beyond March 5, 2019 to facilitate construction of WSB #2 and storage of the exact quantity of waste that the Agency has approved to be stored on that unit.

Request for Exemption Extension. Pursuant to ORC §3734.02(G) and OAC rule 3745-50-31, the Director determined that RIS' management of hazardous waste at the Facility in the additional areas described in the 2018 Application was unlikely to adversely affect public health, safety, or the environment so long as it is managed in accordance with the Orders and the 2018 Application. To that end, RIS is requesting to extend the allotted time granted in the Orders while RIS constructs WSB#2. RIS is only requesting an extension for the locations and quantities listed herein.

RIS proposes to comply with the terms and conditions of the Orders dated December 5, 2018 to store no more than 121,180 gallons of waste in vans for 120 days, in the following areas of the facility:

- Concrete areas surrounding the Process Dock;
- Concrete pad north and east of the Container Storage Area;
- Area over the South Landfill identified for remediation under Corrective Action; and the
- Area known as the Mixing Area identified for remediation under Corrective Action.

Please refer to **Attachment A** for a drawing outlining locations RIS is proposing to store vans of waste. The waste in vans in these areas may be either received (weighed and labelled) or awaiting unloading procedures.

In order to assure protection of human health, safety and the environmental during the temporary storage of hazardous waste, RIS is prepared to take the following additional measures and precautions:

- Wastes will be stored in vans in these areas. Vans will help assist in the containment of any waste materials;
- RIS will comply with the requirements under OAC 3745-270-50 (B) for storage of restricted waste. The one-year storage time limit will commence when RIS signs the manifest;
- The Special Waste Review Committee (SWRC) will evaluate van contents. If problematic waste (e.g., highly reactive, certain oxidizers and organic peroxides, highly toxic waste) is to be stored in vans, it will be done with the express approval of SWRC. Please see the detailed description of this process in 2018 Application, Attachment B;

- Shipments will be processed through driver return as indicated in RIS' Ohio RCRA Part B Permit Application with shipment details (number of containers, type of container, Waste Product Surveys (WPSs), waste codes) entered into RIS' computer system
- Vans will be marked with identifying information (e.g., packet with WPS, manifests, shipping papers, Land Disposal Restrictions (LDRs), etc.) so information is readily available in the event of emergency response is necessary and as an additional verification method for inspection;
- RIS will comply with its permitted Waste Analysis Plan (e.g., sampling, visual inspection, fingerprint analysis), etc. as waste is unloaded;
- Vans will be tracked using RIS' equipment tracking program and van numbers/locations will be listed on inspection forms so that vans can be quickly referenced;
- To the extent practicable, RIS will minimize the storage of vans with containers containing free liquids on gravel areas. RIS will evaluate incoming loads and determine the appropriate areas for the materials in the shipment. For instance, shipments of containers with free liquids will more likely be placed on areas that have concrete, while shipments of containers with mostly solids, or bulk solid shipments will be placed in gravel areas.
- Waste will be placed in vans in accordance with US DOT Segregation requirements; and comply with OAC 3745-55-77 regarding the segregation of incompatibles;
- Additional fire extinguishers will be strategically placed in these areas; and vans will be located near fire hydrants or water lines;
- In the unlikely event of a spill, a variety of different spill materials will be staged nearby (absorbent, sand, berms, socks). Spills will be immediately mitigated in accordance with existing spill control standard operating procedures as described in RIS' Ohio RCRA Part B Permit;
- The areas will be inspected twice a day in a manner consistent with the inspections of other permitted storage areas identified in the permit. Inspections will be documented in like fashion on the inspection forms and maintained in the Facility Operating Record;
- RIS will notify the local fire department to inform them that wastes will be located in other parts of the facility for the time frame approved in this request;
- Operators and plant personnel will be trained on additional precautions and procedures to be used in these areas;
- In gravel areas, RIS will place berms and other spill control measures around the areas where the vans are placed.
- RIS will delineate the areas to be used so boundaries are clear.

The quantity of waste in the vans will be counted towards RIS' permitted container capacity;

RIS will provide Ohio EPA with a final report identifying anomalies and communicating that spills did not occur (if applicable). The report will also include appropriate data identifying where vans were placed and for how long, and will include the results of inspections done in each of the areas (e.g., copies of the inspection forms.)

Closure/Corrective Action. RIS anticipates no impact on its Closure or Corrective Action programs. RIS has carefully characterized the two past practice areas subject to this request, specifically the South Landfill and the Mixing Area (please refer to the 2018 Application Attachment C for a list of constituents of potential concern (COPCs) and concentrations).

Thank you for your consideration in this matter. If you have any questions, please do not hesitate to contact me at (440) 366.2070.

Sincerely yours,

On behalf of ROSS INCINERATION SERVICES, INC.



Patricia R. Lawson
Vice President, Corporate Compliance and Risk Management
ROSS ENVIRONMENTAL SERVICES, INC.

cc: N. Oryshkewych, OEPA, NEDO **CERTIFIED #9214 8901 9403 8300 0079 2120 37**
K. Nesbit, OEPA, NEDO **CERTIFIED #9214 8901 9403 8379 2119 79**
B. Mitchell, OEPA, CO **CERTIFIED # 9214 8901 9403 8300 0079 2117 40**
~~M.~~ Matthews, OEPA, CO **CERTIFIED #9214 8901 9403 8300 0079 2131 40**
T. Anderson, OEPA, CO **CERTIFIED #9214 8901 9403 8379 2130 96**
S. Miles, OEPA, CO **CERTIFIED #9214 8901 9403 8379 2132 94**

Certification:

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Signature Neil E. Gorman Date 2-22-19
Neil E. Gorman, General Manager, RIS

Attachment A
D90-019 Rev. 20

Proposed Areas to Place Vans



Attachment B

Special Waste Review Committee – Review and Approval Criteria

The Special Waste Review Committee (SWRC) is responsible for the review and approval, or rejection, on a case-by-case basis, of Special Wastes. This committee consists of individuals with expertise in the areas of safety, health and environmental, regulatory requirements, RIS receiving practices and procedures, RIS incinerator practices and procedures, processing and equipment capabilities, chemistry, and profiling.

The SWRC provides the expertise required to safely handle wastes that will be incinerated at RIS using available reference information along with OSHA and US DOT standards. The SWRC may also choose to enlist the services of certain persons outside the RIS, who are experts in a given field or manufacturing area to supply information that will be used by the committee to evaluate, approve or reject Special Waste. The SWRC will utilize the customer and his or her knowledge of the waste to gather additional information needed to assist in the evaluation of the Special Waste stream.

SWRC is responsible for approving Handling Instructions and processing codes for Special Wastes. The committee also specifies any special pre-shipment, shipment or processing requirements for the waste stream. After the SWRC has completed their review, determined that the waste stream can be received by RIS, and generated special Handling Instructions, the committee authorizes the technical staff to pursue the business opportunity. Pre-shipment requirements may include any pre-shipment samples that may be requested, special packaging or container sizes, a visit to the generating facility to observe waste handling practices, process validation, sealing the containers, etc. Shipment requirements can include special equipment necessary prior to processing a given material, custom process supervision requirements and special requirements imposed by RIS.

For the purposes of this Director's Exemption Request, SWRC will determine, after careful evaluation of the waste profiles, whether a shipment can be placed in one of the temporary holding areas designated in this request. Wastes that are considered highly reactive, highly toxic, and certain oxidizers /organic peroxides will only be placed in these areas with the express approval of the SWRC. These materials include, but are not necessarily limited to the following:

- Any waste stream that upon opening, sampling, or inspecting the container under normal atmospheric conditions, has a potential to ignite, release a poisonous vapor in sufficient quantities to threaten human health (as determined by SWRC on a case-by-case basis using DOT and OSHA standards) or the environment, creates a physical hazard to employees or reacts violently or uncontrollably. Special Wastes include certain air and water reactive wastes and certain materials that are poisonous by inhalation (as determined by SWRC on a case-by-case basis using DOT and OSHA standards).
- Very strong oxidizers (based on NFPA criteria), and solid wastes exhibiting the properties of explosives and munitions. The following wastes are examples of wastes included in this category (only if they exhibit the associated property): strong oxidizers and propellants such as peroxides, chlorates, perchlorates, persulfates, azides, nitrates, mercury cyanate, lead styphate, diazodinitrophenol (DDNP), tetrazene, nitroglycerin, nitrocellulose, nitramines, nitroaromatics, picric acid, ammonium picrate, black powder, benite, and temperature/heat sensitive materials.

If the SWRC determines that a shipment containing the waste materials meeting the criteria above can be placed in one of the temporary holding areas, it will issue special instructions regarding where it can be placed, how long it can remain in the holding area, and what other special precautions or segregation requirements are necessary.

If the SWRC determines that a shipment containing the waste materials meeting the criteria above cannot be placed in one of the temporary holding areas, SWRC will direct the Receiving department to unload the material into the appropriate permitted storage units upon receipt

Attachment C

South Landfill and Mixing Area Constituents of Potential Concern

Data presented in Attachment C was previously submitted to Ohio EPA in the Ross Incineration Services, Inc. RCRA Facility Investigation Report, dated 2009, and approved by Ohio EPA in 2011.

South Landfill - Constituents of Potential Concern*

Chemical of Potential Concern	CAS #	Range of Detected Concentrations		Location of Maximum Concentration
		Min	Max	
SVOCs				
Benzo(a)anthracene	56-55-3	0.015	3.6	SC-09-2
Benzo(a)pyrene	50-32-8	0.015	2.9	SC-09-2
Benzo(b)fluoranthene	205-99-2	0.0086	4.1	SC-09-2
bis(2-ethylhexyl)phthalate	117-81-7	0.17	1,400	SC-10-2
Dibenz(a,h)anthracene	53-70-3	0.26	0.26	SC-09-2
Hexachlorobenzene	118-74-1	0.009	3.7	JPA-09-2
Pentachlorophenol	87-86-5	1.4	49	SB-16-3
VOCs				
1,1,2,2-Tetrachloroethane	79-34-5	7.4	7.4	RE-08-1
Benzene	71-43-2	0.0002	58	SC-09-4
Ethylbenzene	100-41-4	0.0008	1,960	JPA-11-2
Methylene chloride	75-09-2	0.0052	23	PRO-08-4
Tetrachloroethene	127-18-4	0.0018	7	SC-09-4
Toluene	108-88-3	0.0005	8,700	SC-09-4
Trichloroethene	79-01-6	0.0006	16	SC-09-4
Xylenes	1330-20-7	0.0004	1,800	SC-09-4
Metals				
Chromium	18540-29-9	7.65	3,450	JPA-07-2
Lead	7439-92-1	3.7	13,100	PRIS-01-5
PCBs, Pesticides, Dioxins				
Aroclor-1254	11097-69-1	0.21	44	SC-09-2
Aroclor-1260	11096-82-5	0.18	37	SC-09-4
Dieldrin	60-57-1	0.0028	1.3	PRO-09-2
Dioxin/Furans	1746-01-6	3.70E-06	0.0086	SB-16-3

*Source: RIS RFI Report

Mixing Area - Constituents of Potential Concern*

Chemical of Potential Concern	CAS #	Range of Detected Concentrations		Location of Maximum Concentration
		Min	Max	
SVOCs				
bis(2-ethylhexyl)phthalate	117-81-7	0.071	340	RE-04-1.17
Metals				
Lead	7439-92-1	2.8	5,570	SB-13-3
PCBs, Pesticides, Dioxins				
Aroclor-1254	11097-69-1	0.029	11	SB-13-3
Aroclor-1260	11096-82-5	0.059	2.9	SB-13-3
Dioxin/Furans ³	1746-01-6	4.00E-08	4E-05	SB-13-1

*Source: RIS' RFI Report