OhioEPA
State of Ohio Environmental Protection Agency

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P.O. Box 1049
Columbus, OH 43216-1049

CERTIFIED MAIL

January 3, 2008

Re: Director's Final Findings & Orders
AK Steel Corporation
Coshocton Facility
US EPA ID No.: OHD 004 294 567

Mr. David C. Horn
Senior Vice President
AK Steel Corporation
703 Curtis Street
Middletown, Ohio 45043

Dear Mr. Horn:

Here are the Director's Final Findings and Orders (Orders) issued to AK Steel Corporation on December 31, 2007. These Orders are effective today.

I have also enclosed invoices for the penalty payments as required by Order No. 9.a. and 9.b. Please remember that your payments are due no later than February 29, 2008.

If you have any questions concerning compliance with these Orders, do not hesitate to contact Dave Chenault at (740) 385-8501.

Sincerely,

David A. Sholtis
Assistant Chief
Division of Hazardous Waste Management

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Attachments

c: Michael A. Savage, Chief, DHWM
Harry Sarvis, Mgr., CAS, DHWM
Todd Anderson, Legal
Heidi Greismer, PIC
Dave Chenault, Mgr., DHWM, SEDO

BEFORE THE
OHIO ENVIRONMENTAL PROTECTION AGENCY

In the Matter of:

AK Steel Corporation
703 Curtis Street
Middletown, OH 45043

Respondent

Director's Final Findings and Orders

PREAMBLE

It is agreed by the parties hereto as follows:

I. JURISDICTION

These Director's Final Findings and Orders (Orders) are issued to AK Steel Corporation (Respondent) pursuant to the authority vested in the Director of the Ohio Environmental Protection Agency (Ohio EPA) under Ohio Revised Code (ORC) §§ 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

All of the findings necessary for the issuance of these Orders pursuant to ORC §§ 3734.13 and 3745.01 have been made and are outlined below. Nothing in the findings shall be considered to be an admission by Respondent of any matter of law or fact. The Director of Ohio EPA has determined the following findings:

1. Respondent is a "person" as defined in ORC § 3734.01(G) and Ohio Administrative Code (OAC) rule 3745-50-10(A).

2. Respondent owns and operates a flat-rolled stainless steel manufacturing facility located at 17400 State Route 16, Coshocton, Coshocton County (Facility). Respondent is a foreign corporation licensed to conduct business in Ohio as of May 9, 1989.

3. At the Facility, Respondent generates "hazardous waste" as that term is defined by ORC § 3734.01(J) and OAC rules 3745-50-10(A) and 3745-51-03. Respondent is a large quantity generator of hazardous waste and has been assigned generator identification number OHD 004294567. The hazardous waste generated by Respondent at the Facility includes spent pickle liquor (K062), kolene solids and liquids (D007), and various characteristic and listed spent solvents. Spent pickle liquor is transferred via piping to a storage tank system. Ordinarily, the spent pickle liquor is used in the wastewater treatment operation, though at times in the past, the spent pickle liquor was removed from the storage tank system and disposed of off-site as a hazardous waste.

4. On October 26, 2004, Ohio EPA was notified that Respondent discovered a leak that day in a spent pickle liquor transfer line. Specifically, the spent pickle liquor eroded a rubber flange seal on the below-grade transfer line, which was encased in a concrete trench inside the Facility. Once released from the transfer line, the spent pickle liquor deteriorated the concrete trench, allowing the spent pickle liquor to escape into the soils beneath the Facility. It was estimated by Respondent that approximately 1,600 gallons of spent pickle liquor was released into the soils beneath the Facility through the failure of the rubber flange seal and subsequent deterioration of the concrete trench. Upon investigation, it was discovered that the released spent pickle liquor dissolved soils beneath the Facility and caused the creation of a void, measuring approximately four feet in diameter and twelve feet in depth.

5. On October 27, 2004, Respondent contracted with an environmental consultant to investigate the nature of the release of spent pickle liquor beneath the Facility.

6. In response to concerns regarding the structural integrity of the portion of the Facility directly over the void created by the released spent pickle liquor, Respondent filled the void with concrete and was unable to recover or remediate spent pickle liquor contaminated soils. Because Respondent released hazardous waste spent pickle liquor into the soils beneath the Facility and did not immediately commence release response or recovery activities to remove the hazardous waste spent pickle liquor and impacted soils, Respondent created an unpermitted hazardous waste disposal unit.

7. On November 9, 2004, Ohio EPA conducted a compliance evaluation inspection at the Facility. As a result of this inspection, Ohio EPA determined that Respondent had:

   a. Disposed of hazardous waste without a permit by releasing K062 hazardous waste into soils beneath the Facility, in violation of ORC § 3734.02(E) and (F);

   b. Failed to maintain a written closure plan for the unpermitted hazardous waste disposal unit, referenced in Finding No. 6 of these Orders, in violation of OAC rule 3745-55-12(A);

   c. Failed to maintain a written assessment for a hazardous waste storage tank system to ensure that the tank system is compatible with the waste(s) stored so that the tank system will not collapse, rupture, or fail, in violation of OAC rules 3745-55-92(A)/3745-66-92(A);

   d. Failed to provide ancillary equipment with secondary containment that is constructed of or lined with materials that are compatible with the waste placed in the tank system, and is equipped with a leak detection system capable of detecting the failure of either the primary or secondary containment structure, in violation of OAC rules 3745-55-93(C) and (F)/3745-66-93(C) and (F);

   e. Failed to conduct and document inspections of a hazardous waste storage tank, in violation of OAC rules 3745-55-95(A)/3745-66-95(A); and

   f. Failed to include emergency procedures for releases of hazardous waste spent pickle liquor in the contingency plan, in violation of OAC rules 3745-54-52(A)/3745-65-52(A).

8. By letter dated November 26, 2004, Ohio EPA notified Respondent of the violations referenced in Finding Nos. 7.a. through 7.f. of these Orders.

9. By letter dated January 7, 2005, Respondent provided responses to Ohio EPA's November 26, 2004 letter.

10. By letter dated February 18, 2005, Ohio EPA notified Respondent that Respondent remained in violation of the violations referenced in Finding Nos. 7.a. through 7.f. of these Orders.

11. In correspondence dated April 14, 2005, Respondent provided responses to Ohio EPA's letter dated February 18, 2005. In the response, Respondent notified Ohio EPA that Respondent would no longer send off-site for disposal hazardous waste spent pickle liquor from the spent pickle liquor storage tank system. In addition, in the response, Respondent provided the results of a *Limited Groundwater Investigation*, conducted by Respondent's third-party contractor in the vicinity of the unpermitted hazardous waste disposal unit at the Facility, referenced in Finding No. 6 of these Orders. The *Limited Groundwater Investigation* documents a release to groundwater. The following parameter exceeded the maximum contaminant concentration (MCC), as listed in OAC rule 3745-54-94:

Parameter (Detected Concentration)	MCC
Chromium (320 parts per billion)	100 parts per billion

12. On June 15, 2005, Respondent met with Ohio EPA to discuss measures necessary to address the release referenced in Finding No. 6 of these Orders.

13. On November 17, 2005, Respondent submitted, for Ohio EPA review and comment, a Sampling and Analysis Plan (SAP) to determine the nature and extent of contamination resulting from the release of hazardous waste spent pickle liquor into the soils at the Facility, as referenced in Finding No. 4 of these Orders.

14. By letter dated January 12, 2006, Ohio EPA provided comments on Respondent's SAP, as referenced in Finding No. 12 of these Orders.

15. In correspondence dated February 10, 2006, Respondent provided responses to Ohio EPA's comments on the SAP, and submitted Revision 1 of the SAP.

16. In correspondence dated April 28, 2006, Respondent notified Ohio EPA that Respondent would not, in the future, send off-site for disposal used acid (spent pickle liquor) from the storage tanks, with the exception of tank bottom sludge generated in the tanks that is periodically removed and sent off-site

as K062 hazardous waste and that is not considered a hazardous waste until it exits the tank in accordance with OAC rule 3745-51-04(c).

17. On October 30, 2006, Ohio EPA conducted a compliance evaluation inspection at the Facility.

18. Based upon the information obtained as a result of the inspection referenced in Finding No. 17 of these Orders, and by letter dated November 7, 2006, Ohio EPA notified Respondent that Respondent had abated the violation referenced in Finding No. 7.f. of these Orders.

19. On November 28, 2006, Respondent submitted a Material Management Plan which describes the management of spent pickle liquor generated at the Facility to ensure that the spent pickle liquor storage tank system, referenced in Finding No. 3 of these Orders, is operated and maintained to minimize the potential of releases of spent pickle liquor to the environment.

20. On December 13, 2006, Ohio EPA provided comments to Respondent on the Material Management Plan. Following discussions, Respondent submitted additional revisions to the Material Management Plan. Based upon a review of these submittals, the Director hereby approves the Revised Material Management Plan as submitted on September 27, 2007.

21. Based upon a review of Revision 1 of the SAP, referenced in Finding No. 15 of these Orders, the Director hereby approves Revision 1 of the SAP.

22. Because the spent pickle liquor storage tank system, referenced in Finding No. 3 of these Orders, was used to accumulate and store hazardous waste, the spent pickle liquor storage tank system remains subject to the generator closure requirements, referenced in OAC rules 3745-52-34, 3745-66-11(A) and (B), OAC rule 3745-66-14, and OAC rules 3745-66-97(A) and (B) upon cessation of operation of the tank system.

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 shall implement the approved Revised Material Management Plan, referenced in Finding No. 20 of these Orders, for a period of three years following the effective date of these Orders in accordance with the terms, conditions and schedules contained therein. If, at any time during the three year period of the Material Management Plan's implementation,

Respondent sends off-site for disposal as a hazardous waste used acid (spent pickle liquor) from the storage tanks, with the exception of tank bottom sludge generated in the tanks that is periodically removed and sent off-site as K062 hazardous waste, Respondent shall notify Ohio EPA within 5 days after Respondent sends off-site for disposal spent pickle liquor as a hazardous waste used acid. Within 30 days after the initial notification to Ohio EPA that spent pickle liquor has been sent off-site for disposal as a hazardous waste used acid, Respondent shall submit documentation demonstrating that the spent pickle liquor storage tank system, referenced in Finding No. 3 of these Orders, complies with the hazardous waste storage tank system requirements specified in OAC rules 3745-66-92 through 3745-66-95, as well as all other applicable hazardous waste generator requirements specified in Chapter 3745-52 of the Ohio Administrative Code.

2. Respondent shall implement the approved Revision 1 of the SAP, referenced in Finding No. 21 of these Orders, in accordance with the terms, conditions and schedules contained therein.

3. Following receipt of the analytical results generated by the implementation of the approved Revision 1 of the SAP, Respondent shall, pursuant to the schedule in the approved Revision 1 of the SAP, submit to Ohio EPA a report ("SAP Report") that includes the laboratory analysis and evaluation of data generated from implementing the approved Revision 1 of the SAP. Using the format found in OAC rule 3745-50-42(D), Respondent shall certify that the sampling and analysis was conducted in accordance with the approved Revision 1 of the SAP. The certification shall be signed by Respondent and shall be included in the SAP Report.

4. The SAP Report is subject to Ohio EPA review and approval. If Ohio EPA approves the SAP Report, Respondent shall submit to Ohio EPA a closure plan to address the release(s) identified in the SAP Report, and shall be prepared in accordance with OAC rules 3745-55-11/3745-66-11 through 3745-55-20/3745-66-20 and applicable Ohio EPA guidance, and comply with Order Nos. 5 through 8.

5. The closure plan shall be submitted to Ohio EPA within 60 days after Respondent's receipt of Ohio EPA's approval of the SAP Report. The closure plan is subject to Ohio EPA approval. If Ohio EPA does not approve the closure plan and provides Respondent with a written statement of deficiencies, Respondent shall, within 30 days after receipt of such written statement, revise the closure plan or submit a new closure plan to Ohio EPA addressing the deficiencies. Upon receipt of Respondent's new or revised closure plan, Ohio EPA will notify Respondent in writing that Ohio EPA either approves the closure plan or approves the closure plan with modifications.

If Ohio EPA modifies the closure plan, the modified closure plan shall become the approved closure plan. Completion of Order No. 5 will abate the violation referenced in Finding No. 7.b. of these Orders.

6. Upon receiving Ohio EPA's written approval of the closure plan, Respondent shall implement the approved closure plan pursuant to OAC rules 3745-55-11/3745-66-11 through 3745-55-20/3745-66-20, the specifications and schedules contained in the approved closure plan, and any modifications attached to the approved closure plan.

7. Within 60 days after completion of closure, Respondent shall submit to Ohio EPA a closure certification in accordance with OAC rules 3745-55-15/3745-66-15.

8. Within 60 days after submitting the closure plan referenced in Order No. 5, Respondent shall submit to Ohio EPA a closure cost estimate and documentation demonstrating that Respondent has established financial assurance and liability coverage for the area of the Facility subject to closure in accordance with OAC rules 3745-55-42/3745-66-42 through 3745-55-47/3745-66-47. Completion of Order Nos. 1 through 8 will abate the violations referenced in Finding Nos. 7.a., and 7.c. through 7.e. of these Orders.

9. Respondent shall pay Ohio EPA the amount of $ 36,000.00 in settlement of Ohio EPA's claims for civil penalties, which may be assessed pursuant to ORC Chapter 3734., in accordance with the following provisions:

   a. Within 60 days after the effective date of these Orders, Respondent shall pay Ohio EPA the amount of $ 28,800.00 in settlement of Ohio EPA's claims for civil penalties which will be deposited into the hazardous waste cleanup fund established pursuant to ORC § 3734.28. Payment shall be made by an official check made payable to "Treasurer, State of Ohio" for $28,800.00. The official check shall be submitted to Ohio EPA, Office of Fiscal Administration, Department L-2711, Columbus, Ohio 43260-2711, together with a letter identifying Respondent. A copy of this check shall be submitted in accordance with Section X. of these Orders.

   b. In lieu of paying the remaining $ 7,200.00 of civil penalty to Ohio EPA, Respondent shall fund a supplemental environmental project (SEP) by making a contribution in the amount of $7,200.00 to the Ohio EPA Clean Diesel School Bus Program (Fund 5CD). Respondent shall make the payment within 60 days after the effective date of these Orders by tendering an official check made payable to "Treasurer,

State of Ohio" for $7,200.00. The official check shall be submitted to Brenda Case, or her successor, Ohio EPA, Office of Fiscal Administration, Department L-2711, Columbus, Ohio 43260-2711, together with a letter identifying Respondent. A copy of this check shall be submitted in accordance with Section X. of these Orders, and an additional copy of this check shall be sent to James A. Orlemann, Assistant Chief, SIP Development and Enforcement, or his successor, Ohio EPA, Division of Air Pollution Control, P.O. Box 1049, Columbus, Ohio 43216-1049.

c. Should Respondent fail to fund the SEP within the required time frame established in Order No. 9.b., Respondent shall pay to Ohio EPA, within 7 days after failing to comply with Order No. 9.b., the amount of $7,200.00 in accordance with the procedures in Order No. 9.a.

VI. TERMINATION

Respondent's obligations under these Orders shall terminate when Respondent certifies in writing and demonstrates to the satisfaction of Ohio EPA that Respondent has performed all obligations under these Orders and Ohio EPA's Division of Hazardous Waste Management acknowledges, in writing, the termination of these Orders. If Ohio EPA does not agree that all obligations have been performed, then Ohio EPA will notify Respondent of the obligations that have not been performed, in which case Respondent shall have an opportunity to address any such deficiencies and seek termination as described above.

The certification shall contain the following attestation: "I certify that the information contained in or accompanying this certification is true, accurate and complete."

This certification shall be submitted by Respondent to Ohio EPA and shall be signed by a responsible official of Respondent. For purposes of these Orders, a responsible official is a corporate officer who is in charge of a principal business function of Respondent.

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 may be modified by agreement of the parties hereto. Modifications shall be in writing and shall be effective on the date entered in the journal of the Director of Ohio EPA.

X. NOTICE

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

Ohio Environmental Protection Agency
Southeast District Office
Division of Hazardous Waste Management
2195 Front Street
Logan, Ohio 43138
Attn: DHWM Manager

and Ohio EPA Central Office at the following address:

For mailings, use the post office box number:

Chris Korleski, Director
Ohio Environmental Protection Agency
Lazarus Government Center
Division of Hazardous Waste Management
P.O. Box 1049
Columbus, Ohio 43216-1049
Attn: Manager, Compliance Assurance Section

For deliveries to the building:

Chris Korleski, Director
Ohio Environmental Protection Agency
Lazarus Government Center
Division of Hazardous Waste Management
50 West Town Street, Suite 700
Columbus, Ohio 43215
Attn: Manager, Compliance Assurance Section

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

XI. RESERVATION OF RIGHTS

Ohio EPA reserves its rights to exercise its lawful authority to require Respondent to perform closure of the spent pickle liquor storage tank system, referenced in Finding No. 3 of these Orders, at the Facility, as well as corrective action at the Facility, some time in the future, pursuant to ORC Chapter 3734. or any other applicable law. Respondent reserves its rights to raise any administrative, legal, or equitable claim or defense with respect to any final action of the Director regarding such closure or corrective action. Ohio EPA and Respondent each reserve all other 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, Respondent consents to the issuance of these Orders and agrees to comply with these Orders. Except for the rights to seek closure of the spent pickle liquor storage tank system, referenced in Finding No. 3 of these Orders, and corrective action at the Facility by Respondent, which rights Ohio EPA does not waive, compliance with these Orders shall be a full accord and satisfaction for Respondent's liability for the violations specifically cited herein.

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

Chris Korleski — December 31, 2007
Director — Date

IT IS SO AGREED:

AK Steel Corporation

By: _____ 12/11/07
Signature — Date

David C. Horn
Printed or Typed Name

Sr. V.P., G.C. and Secretary
Title

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AK Steel Corporation
Coshocton Works

Material Management Plan

This Material Management Plan (Plan) has been prepared by AK Steel Corporation (AK Steel) as required by Director's Final Findings and Orders (FF&Os) entered into with Ohio EPA. The purpose of the Plan is to identify appropriate management practices for the spent pickle liquor storage tank system at the Coshocton Works. In accordance with the FF&Os, this Plan details the procedures to be conducted by AK Steel to ensure that the spent pickle liquor storage tank system is operated and maintained to minimize the potential of releases of spent pickle liquor to the environment.

The scope of this Plan includes the following, which are collectively referred to as the "spent pickle liquor storage tank system":

- The vaulted spent pickle liquor storage tanks.
- The ancillary equipment (e.g., pipes, flanges, valves) associated with the spent pickle liquor storage tank system.
- The secondary containment systems associated with the spent pickle liquor storage tank system.

A. Inspection and Sampling Activities for the Spent Pickle Liquor Storage Tank System.

1. Inspection of Flanges and Valves Associated With the Piping.

Twice per calendar month, AK Steel will perform the following inspection in order to determine if there is any evidence or indication of a release of spent pickle liquor from the spent pickle liquor storage tank system:

- Remove the appropriate metal floor plates and/or inspection access covers in order to allow for an inspection of the flanges and valves.
- Visually inspect all flanges and valves associated with the piping of the spent pickle liquor storage tank system, including inspecting for missing bolts and corrosion/blossom. The specific flanges and valves are included in Attachment A.
- Visually inspect the trench floor in the vicinity of the flanges and valves for liquids. If liquids are identified (other than liquids associated with normal operations), maintenance supervision is immediately notified to investigate and correct any issues.

2. **Inspection of Piping.**

Once every sixty days, AK Steel will perform the following inspection in order to determine if there is any evidence or indication of a release of spent pickle liquor from the spent pickle liquor storage tank system:

- Remove the appropriate metal floor plates in order to allow for an inspection of the piping. The specific metal floor plates are included in Attachment B.
- Visually inspect the sections of the piping of the spent pickle liquor storage tank system under these plates.
- Visually inspect the trench floor in the vicinity of the piping for liquids. If liquids are identified (other than liquids associated with normal operations), maintenance supervision is immediately notified to investigate and correct any issues.

3. **Sampling of Accumulated Liquids in Vaults for the Storage Tanks.**

The spent pickle liquor storage tanks are located outside, below grade, in a vault. As such, the vaults accumulate precipitation from storm events. Therefore, three times per calendar week, AK Steel will perform the following inspection in order to determine if there is any evidence or indication of a release of spent pickle liquor:

- Obtain a sample of the precipitation that has accumulated in the bottom of the vault for the spent pickle liquor storage tanks when there is sufficient quantity of liquid in order to obtain a sample.
- The sample will be collected manually by a wastewater treatment plant operator.
- The sample will be tested for pH using a pH meter. A low pH could indicate a possible release of spent pickle liquor from the vaulted tanks.
- If the pH is below 4, AK Steel will promptly investigate the source of the low pH liquid and initiate any corrective action that may be required.
- Any liquids removed from the vault of the spent pickle liquor storage tanks will be managed at the on-site wastewater treatment plant.

B. **Recordkeeping of Inspection and Sampling Activities.**

AK Steel will keep records, either in paper form or in electronic form, of the inspection and sampling activities, indicating the following:

- The date, and time of the inspection or sampling, and the name of the inspector.
- The description of any sampling method used.
- The results of any such sampling event.
- A notation of any evidence or indication of a release of spent pickle liquor based on the inspection or sampling results.
- A description of corrective actions taken upon evidence or indication of a release of spent pickle liquor from the spent pickle liquor storage tank system.

These paper and/or electronic records shall be made available to Ohio EPA for review upon request.

C. Integrity Assessment.

1. Scope of Integrity Assessment.

AK Steel will complete an integrity assessment of the spent pickle liquor storage tanks, ancillary equipment (e.g., pipes, flanges, and valves) associated with the spent pickle liquor storage tank system, and secondary containment systems associated with the spent pickle liquor storage tank system. The assessment will determine the adequacy of the system's design and materials, structural strength, corrosion protection, and shall include a leak test or other appropriate tank and piping integrity assessment.

2. Integrity Assessment Report.

Following the integrity assessment, a report will be prepared that notes the deficiencies, if any, identified during the integrity assessment and provides recommendations on correcting any such deficiencies.

3. Use of a Professional Engineer.

The integrity assessment and the preparation of the report will be conducted by, or under the direct supervision of, an independent qualified registered professional engineer.

4. Integrity Assessment Schedule.

a. Integrity Assessment Completion Schedule.

The integrity assessment will be completed within 120 days of the effective date of the FF&Os. Notwithstanding the foregoing, if the professional engineer determines that any section of containment

which ordinarily contains rinsewaters must be dry in order to perform the integrity assessment, then this portion only of the integrity assessment will be performed during the next maintenance outage that will allow for these areas to dry out, even if such outage occurs after 120 days of the effective date of the FF&Os.

b. Integrity Assessment Report Schedule.

The integrity assessment report with identified deficiencies, if any, and recommendations on correcting any such deficiencies, will be provided to AK Steel within 45 days of the completion of the integrity assessment. Notwithstanding the foregoing, if any aspect of the integrity assessment cannot be conducted within the 120 day period as set forth in Section 4.a above, then those delayed aspects of the integrity assessment do not need to be included in the initial report, but instead will be included in a supplemental report, due 45 days after the completion of the delayed integrity assessment.

c. Integrity Assessment Deficiency Correction Schedule.

Any deficiencies identified in the integrity assessment report will be corrected as expeditiously as practicable, but no later than 120 days after receipt of the initial assessment report. If AK Steel believes that repairs cannot be made within this time frame without significantly affecting the plant's operation, AK Steel will immediately notify Ohio EPA of the specific problem(s) and propose the earliest practical time that the repairs can be made.

Upon the request of AK Steel and the agreement of Ohio EPA any time frame may be extended; Ohio EPA's agreement to such a request shall not be unreasonably withheld. Should AK Steel and Ohio EPA be unable to reach an agreement on an acceptable time frame extension, AK Steel and/or the Ohio EPA Inspector of Record (Inspector) for Ohio EPA may submit a written statement of dispute to Ohio EPA's Chief of the Division of Hazardous Waste Management ("Chief") or his or her designee. The Chief or his or her designee may meet with AK Steel and the Inspector, and may request additional information regarding the nature of the dispute and the respective positions of AK Steel and the Inspector. Within 30 days of receipt of the written statement of dispute, the Chief or his or her designee will notify AK Steel and the Inspector in writing of the final decision regarding the dispute. The final decision shall be incorporated into the Material Management Plan, and implemented by AK Steel within 30 days of such final decision.

d. Schedule for Correction of Deficiencies With a High Probability of Imminent Failures.

Notwithstanding the above, if, in the judgment of the independent qualified registered professional engineer, there is a high probability that the failure of any aspect of the spent pickle liquor storage tank system is imminent, then AK Steel will commence with the identified correction as soon as practicable, but not later than 7 days after identification of the deficiency. If AK Steel is unable to commence with the identified correction within 7 days after identification of the deficiency, then AK Steel will commence with the correction as expeditiously as possible; however, during this interim period until the correction is commenced, AK Steel will either remove that portion of the spent pickle liquor storage tank system from service, or will conduct daily inspections of the affected area(s), thus eliminating the threat of a release to the environment.

Attachment A

Primary AP Acid Flange
#1 Tub Dump Valve Area
Tank Connection
Elbow Connections
Stand Pipe
Dump Valve Connections
Overflow Flange

#2 Tub Dump Valve Area
Tank Connection
Elbow Connections
Dump Valve
Overflow Valve

#1 Tub Connections
Exit Pipe Flange(EF2)
Tub Flange (Tub1)
Trench Flange(TF1)
Tub Flange (Tub2)
Stand Pipe (SP1)
6"" Wall Flange

HCL Acid Flange
#1 Tub Dump Valve area
Tank Connection
Reducer Connection
Stand Pipe 1
Stand Pipe 2
Overflow Pipe
Dump Valve
Exit Side Flange

#2 Tub Dump Valve Area
Tank Connection
Stand Pipe Connection
Stand Pipe
Overflow Valve
Dump Valve

Center Pinch Roll Area
Connections
Trench Flange 2 (TF2)
Crossover Pipe Aisle(CO1)
Crossover Pipe Wall (CO2)

Crossover Trench Entry to #2 Tub
Trench Flange 1 (TF1)
Trench Valves (Valve4)

"48" AP Acid Flange
#1 Tub Dump Valve Area
Tank Connection
Reducer Connection
Overflow Flange
Dump Valve

#2 Tub Dump Valve Area
Tank Connection
Reducer Connection
Overflow Flange
Dump Valve

#3 Tub Dump Valve Area
Tank Connection
Stand Connection
Overflow Flange
Dump Valve

Trench Flanges
TF1
TF2
Aisle flange
TF3A
TF4A
TF5A
TF6
TF7A
TF8A
TF9
TF10
TF11
TF12A
TF13A

Int AP Acid Flange
#1 Tub Dump Valve Area
Tank Connection
Dump Valve
Exit Flange

#2 Tub Dump Valve Area
Tank Connection
Reducer Connection
Dump Valve
Overflow

#3 Tub Dump Valve Area
Tank Connection
Stand Pipe
Overflow
Dump valve

#1 Tub Overflow
Tank Connection
Piping Connection

Trench Flanges
TF1A
TF2
TF3
TF4
TF5A
TF6

Final AP Acid Flange
#1 Tub Dump Valve Area
Tank Connection
Dump Valve
Overflow

#2 Tub Dump Valve Area
Tank Connection
Reducer Connection
Overflow
Dump Valve

#3 Tub Dump Valve area
Tank Connection
Stand Pipe 1
Stand Pipe 2
Overflow
Dump Valve

Trench Flanges
TF1
TF2
TF3A
TF4
TF5

#3 Tub Overflow
Tank Connection
Floor Connection

#1 BA Acid Flange
#1 BA Acid Tub
Tank Connection
Overflow Connectic
Dump Valve
Floor Flange
1BATF1
#2 BA Acid Flange
#2 BA Acid Tub
Tank Connection
Overflow Connection
Dump Valve
Floor Flange

HA51
WT Acid Trench
WT1
WT2
WT3
WT4
WT5
WT6
WT7
WT8
WT9
WT10
WT11

CINLibrary 0001590.0530111 1685979v.10

Attachment B

Primary AP Acid Trench
PRI1
PRI2

HCL Acid Trench
HCL1
HCL2
HCL3
HCL4
HCL5
HCL6

"48" AP Acid Trench
48AP1
48AP2
48AP3
48AP4
48AP5
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48AP27

Int AP Acid Trench
INT1
INT2
INT3
INT4
INT5
INT6
INT7
INT8
INT9
INT10
INT11

Final AP Acid Trench
FIN1
FIN2
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FIN12
FIN13
FIN14
FIN15

#1BA Acid Trench
1BA1
1BA2
1BA3
1BA4
1BA5
1BA6
1BA7
1BA8
1BA9
1BA10
1BA11
1BA12

#2 BA Acid Trench
2BA 1
2BA 2

BA Tank Acid Trench
BAT1
BAT2
BAT3
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BAT11
BAT12
BAT13
BAT14

Hot Area Acid Trench
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