BASF
The Chemical Company

Helping Make Products Better™

CERTIFIED MAIL - RETURN RECEIPT REQUESTED:
7005 3110 0003 0610 0719

US EPA RECORDS CENTER REGION 5
1004611

Mr. Bryan Gangwisch
Land and Chemicals Division (LR-8J)
USEPA Region V
77 West Jackson Boulevard
Chicago, IL 60604-3590

Re: BASF Corporation, Wyandotte, MI EPAID MID 064 197 742

Dear Mr. Gangwisch:

This letter is provided to you in response to the Notice of Violation received by BASF Corporation on January 24, 2013. The response discusses actions taken to correct findings referenced in the letter as they relate to the Compliance Evaluation Inspection conducted on June 13 and 14, 2012.

Should you have any questions regarding the actions taken to prevent re-occurrence please do not hesitate to contact me at 734-324-6836 or by e-mail: david.sheaves@basf.com.

Sincerely,

David W. Sheaves
Environmental Team Leader

BASF Corporation
1609 Biddle Avenue
Wyandotte, MI 48192-3729
Tel (734) 324-6000
www.basf.com/usa

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Response to Findings

Item #1 As indicated in EPA's NOV, no further action is required with respect to this item.

Item #2:

BASF has reviewed the manifest records referenced by USEPA. All return TSDF copies were located and placed in BASF Corporation files for retention. The records for May of 2012 (000530083 VES dated 5/22/2012 and 009231839 JJK dated 5/14/2012) were not in violation of the manifest retention requirements [R299.9307(3); 40CFR262.40(a)] as the signed manifests had not yet been received from the TSDF and were within the 35 day delivery period. BASF has attached copies of the return copies for your reference. These documents are located in Attachment 1.
Provided also in Attachment 1 are copies of the Manifest Tracking and Retention procedure employed by Waste Management Corporation.

Item #3

The referenced finding indicates BASF Corporation failed to properly label several containers of hazardous waste in accordance with both MAC R.299.9306(1)(b) and 40 CFR 262.34(a)(2). Waste Management Corporation manages the operation of the Wyandotte Site's Central Waste Accumulation Storage Area (CWASA) under BASF Corporation supervision. Waste containers entering the building are to be managed according to BASF Corporation Wyandotte Site Standard WYN032.065 "Accumulation Storage Area Requirements" as well as CWASA Standard Operating Procedure #1. The Waste Management Services Manager failed to alert BASF Corporation supervision regarding labeling and accumulation start concerns at the CWASA.

In order to correct the situation regarding the labeling of hazardous waste containers managed in the CWASA BASF Corporation has undertaken the following actions:

- Reviewed with Waste Management on site personnel specific labeling requirements referenced in WYN032.065. Waste Management personnel have also been instructed that when picking up containers of hazardous waste from the operating units at the Wyandotte Site any observed labeling deficiencies such as those referenced are to be corrected immediately and the issue elevated to appropriate levels of BASF Corporation supervision.
- In addition Waste Management has reviewed their internal procedure WM-SW-008 for managing containers at the Wyandotte Site with the Waste Management Services Manager located in Wyandotte. Both procedures have been attached for your review in Attachment 2.
- Also reviewed were the inspection procedures and forms used by Waste Management to inspect and flag discrepant containers found during weekly

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inspection. A modification was made to the inspection form specifically flagging a need to confirm the presence of the EPA Waste Code on the label. This form is also provided as part of Attachment 2.

All labeling deficiencies relating to the containers of hazardous waste referenced in EPA's NOV were corrected immediately after the conclusion of the inspection.

Item #4 As indicated in EPA's NOV, no further action is required with respect to this item.

Item #5

BASF Corporation has investigated further the missing weekly inspection forms for the Central Waste Accumulation Storage Area (CWASA) and determined the following: for the inspection period of 8/23/2010 to 10/11/2010 and 10/11/2010 to 11/1/2010 all inspection records have been accounted for and are provided in Attachment 4. The documents were misfiled and located after the inspection.

For the inspection period of 5/23/2011 to 6/13/2011, BASF Corporation was unable to locate inspection records for this period.

BASF Corporation maintains a Wyandotte Site Standard regarding the management of <90 day accumulation storage areas (WYN032.065) as well as Standard Operating Guidelines for the CWASA. There is a specific Standard Operating Guideline for inspection being conducted in the CWASA (SOG-01). All referenced documents are provided in Attachment 3. These documents as well as Waste Management procedures have been reviewed with personnel managing containers in the CWASA.

Items #6 and 7

BASF Corporation has reviewed the records for both the Resins Plant and Resins Pilot Plant regarding the inspection requirements for the hazardous waste tanks located in each operating unit. Provided below is a description of corrective measures taken to prevent reoccurrence of missed daily inspections for tanks in hazardous waste service.

The Wyandotte Resins Pilot Plant installed two 100 gallon hazardous waste accumulation tanks D-631 and D-731 in 2010 as part of the transfer of the equipment from Racine, WI to Wyandotte, MI. Shortly after the start of operations, the unit made a determination to no longer utilize the tanks to accumulate hazardous waste. This determination was not documented in a Management of Change (MOC) filing with Site Environmental Health and Safety personnel hence the tanks remained on the Site's list of <90 day storage tanks.

The tanks were converted to emergency discharge vessels shortly after the start-up of the Pilot Reactors in 2010. The vessels are intended to receive process materials in the event

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of a run-away reaction in one of the Pilot Plant reactor systems. Each tank was pre-charged with a mixture of n-methyl pyrrolidone (NMP) and phenothiazine (PTZ). MSDS's are provided in Attachment 5. The mixture is designed as a reaction inhibitor for the acrylic/styrenic polymerization reactions taking place in the process. At the end of each week the NMP/PTZ mixture was scrapped and fresh material charged the following week.

A formal MOC was completed shortly after the inspection conducted by USEPA, thus memorializing the referenced vessels no longer operate as hazardous waste storage tanks.

The Wyandotte Resins Plant operates five <90 day accumulation storage tanks (D-1053, 1054, 1081, 1082 and 4105) subject to the daily inspection requirements. BASF Corporation has reviewed and investigated the list of missing inspection records referenced in items 6 and 7and has been able to recover many of the records, copies of which are provided in Attachment 6 for your reference.

The Resin Plant employs two methods to reflect that these inspections are completed. The first method is a sign off on the daily Solid Grade Oligomer (SGO) Process Operations Checklist. WYR-1000-514 requires the sign off by the operator and the time of the completion of the checklist where it specifically references the completion of the tank inspections. This sign off is on page 8 of 9. These documents are provided in Attachment 7 for your review. Provided for your review are several of the above referenced check sheets where the check sheet indicates completion of the daily inspection. The check sheets are being provided as evidence the inspection was completed but the actual inspection sheet was not found during a subsequent review of records.

The second method of review of daily hazardous waste tank inspection employed by the Resins Plant, is a daily review by the night shift supervisor of the inspection conducted that day by the day shift. The day shift supervisor is responsible for the inspection and the daily inspection check list referenced above is reviewed during the daily turnaround..

Item #8 As indicated in EPA's NOV, no further action is required with respect to this item.

Item #9:

During the inspection USEPA observed several containers of hazardous waste which had accumulation start dates that had exceeded the 90 day limit for on-site storage without a permit. A review of the finding after the initial inspection determined that Waste Management personnel supporting BASF Corporation in the management of hazardous waste containers stored in the CWASA failed to follow both Waste Management and BASF Corporation procedures for the storage of hazardous waste containers.

As indicated in response to item #3, BASF Corporation and Waste Management have reviewed procedures regarding the management of with staff responsible for their

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management. This includes WM implementing the use by their personnel of their software system referred to as Streamline. This system tracks containers individually and is capable of identifying inventory at or near the 90 day storage limit. In addition, WM personnel record the oldest container date on the weekly CWASA inspection. These inspections are subsequently reviewed by supervising BASF Corporation Staff. See Attachment 8.

Also during the inspection USEPA observed a container of "Spent Aerosols" (BASF Waste Code W-904) stored in the CWASA. This container had been rejected by Clean Harbors Inc. and returned to the BASF Wyandotte facility. Waste Management personnel approved the return of the container to BASF without first obtaining authorization.

BASF Corporation reviewed the contents of the returned container, updated the approval process for Clean Harbors and the materials were subsequently shipped to Clean Harbors' facility in El Dorado, AR (EPAID Number ARD 069748192) on June 20, 2012. Attached is the final outgoing manifest 005236493 FLE. These documents are provided in Attachment 9.

BASF Corporation
1609 Biddle Avenue
Wyandotte, MI 48192-3729
Tel (734) 324-6000
www.basf.com/usa

Attachment 1

BASF Corporation
1609 Biddle Avenue
Wyandotte, MI 48192-3729
Tel (734) 324-6000
www basf com/usa

Applicability

[1]OC-008 applies to all projects where Sustainability Services personnel are responsible for distributing and/or tracking hazardous waste manifests. This includes completing, reviewing, signing, filing, and return date tracking.

Waste Manifests are required for the shipment of hazardous waste, PCBs, and some waste types designated by individual states.

If you are not contractually obligated to manage your projects waste manifests, contact your manager if you are asked to take on additional responsibilities related to this OC.

Background and Why

This OC deals with the proper management of hazardous waste manifests once the waste has left the site, ensuring the generator is monitoring shipments of hazardous waste in order to make certain that the material is overseen the entire time it is in transit to the destination facility.

This OC was developed because it was related to a significant environmental aspect identified during the implementation of the ISO Management System.

Relationships to Compliance

The [2]Federal Regulations require all generators that ship hazardous waste to be responsible for that waste from cradle to grave. If a large quantity generator does not receive a copy of the manifest signed by the designated facility owner or operator within 45 days of the date that the waste was accepted by the initial transporter (60 days for small quantity generators), the generator must file an exception report (Section 262.42). Additionally, the generator should attempt to determine the status of the hazardous waste if a copy of the manifest has not been received within 35 days of the shipment. After 45 days, the EPA Regional Administrator for the region in which the generator is located must be notified.

*Note: The submission to EPA need only be a handwritten or typed note on the manifest itself, or on an attached sheet of paper, stating that the return copy of the manifest was not received.

[3]Because regulations vary at the state level, reporting can vary from state to state.

Ensure your state's regulations recognize the EPA requirements; if this is not the case, the documents can still be subject to all applicable regulations in that state.

Implementation Details

Step 1: Use the Manifest Tracking Form, [1]OC-008F, Streamline, or an equivalent form, spreadsheet or other management system to track the number of days since a hazardous waste shipment leaves your facility. Record the manifest number and shipment date on your tracking form.

Step 2: If using Streamline for manifest tracking, ensure that all data on OC-008F, except "Manifest Follow-up Date" and "Maximum Return Date" is entered into Streamline. Then set manifest "alert days" to match the number of days that EPA regulations or State-specific regulations require for manifests to be returned and enable the alert function.

Step 3: Based on the shipping date you entered in Step 1, calculate the Manifest Follow Up Date, and the Manifest Due Date if it is not already done for you, and record those dates on the form. The follow up date is 35 days from shipment, and the due date is 45 days.

Step 4: When the signed manifest copy is received from the designated facility, enter the date under "Date return manifest received." If you are using Streamline, enter the date received into Streamline instead.

Step 5: If the manifest has not been returned to the generator by the Manifest Follow-up Date, [2]contact transporter and receiving facility to determine the status of the waste shipment and manifest. If the waste has been received and processed, attempt to get

a copy that has been signed by the receiving facility. If the load has not been received, continue your investigation until the waste and manifest are accounted for.

Step 6: If the time requirements specified by the third implementation step are not met, the large quantity generator must submit an Exception Report containing:

I. A legible copy of the manifest for which there is no confirmation of delivery;
II. A cover letter signed by the generator or an authorized representative explaining the efforts taken to locate the hazardous waste and the subsequent results.

This report must be submitted to the EPA Regional Administrator for the region in which the generator is located. Check individual state regulations for additional reporting requirements.

Maintain all documentation for at least 3 years, which should contain, name and address of generator and destination facility, the quantity of each shipment of hazardous waste as well as the date it was offered for transportation.

Common Equivalencies and Examples

Utilizing an inspection form require by the host-site as long as this form is equivalent to the forms required by Sustainability Services IMM. If you are unsure whether you have an equivalent form you can e-mail the form to EHSSustainabilityServices@wm.com for further guidance.

008, 1a - Reference OC-008 Hazardous Waste Manifest Distribution and Return Tracking
008, 1b – Reference Manifest Tracking Form OC-008F
008, 2 - Refer to 40 CFR §262.42 Exception Reporting
008, 3 - Reference State Manifest Requirements http://www.epa.gov/waste/hazard/transportation/states.htm

---

Approved By:

Signature EMR Kathy Doyle /s/

Signature QMR Monte Eggen /s/

Revision History

Date	*Comments*
11/11/11	New OC Subsection for ISO Implementation Manual.

WASTE MANAGEMENT

Document No:	OC-008
Revision Date:	11/11/11
Page:	1 of 2

OPERATIONAL CONTROL—HAZARDOUS WASTE MANIFEST DISTRIBUTION AND RETURN TRACKING

Purpose: To ensure that hazardous waste is tracked as required by State and Federal regulations. This OC controls a former Significant Aspect.

Scope: Sustainability Services operations where Sustainability Services is responsible for distributing and/or tracking hazardous waste manifests.

Potential Impacts: Deviation from this work instruction could result in potential environmental non-compliance. Also, verification of receipt of waste by receiving facility avoids potential improper disposal of waste.

Definitions:

Manifest Follow-up Date—the date after which Federal or State regulations require that a generator contact the transporter and/or designated facility if the generator has not receive a signed copy of a manifest (Federal time frame: 35 days).

Maximum Return Date—The date after which Federal or State regulations require a generator to write an exception report if they have not been able to obtain a signed copy of a manifest from the designated facility (Federal time frame: 45 days).

Steps:

1) Record the manifest number and shipment date on Manifest Tracking Form, OC-008F, or equivalent (includes use of Streamline database), and distribute the manifest as required by EPA regulations, or State-specific regulations, if applicable.
2) If using Streamline for manifest tracking, ensure that all data on OC-008F, except "Manifest Follow-up Date" and "Maximum Return Date" is entered into Streamline. Then set manifest "alert days" to match the number of days that EPA regulations or State-specific regulations require for manifests to be returned and enable the alert function.
3) If using OC-008F or an equivalent document, calculate and enter the Manifest Follow-up Date and determine follow up date per EPA regulations, or State-specific regulations, if applicable. Then calculate and enter the Maximum Return Date.
4) When the signed manifest copy is received from the designated facility, enter the date under "Date return manifest received." If you are using Streamline, enter the date received into Streamline instead.
5) If the manifest is not received by the Manifest Follow-up Date, contact transporter and receiving facility to determine manifest status and to attempt to get a copy that has been signed by the receiving facility.

6) Notify appropriate customer personnel if manifest cannot be obtained by the Maximum Return Date.

Reference Documents/Forms:	**How to locate:**
40 CFR 262 and State equivalent, if applicable	CyberRegs on WMVisor, Environmental Protection Information Services Page (www.cyberregs.com)
OC-008F Manifest Tracking Form	Sustainability Services Shared Drive or SharePoint Site
Ontario Reg. 347, Sec. 23 b.	CyberRegs on WMVisor, Environmental Protection Information Services Page (www.cyberregs.com) or hard copy or obtain from Supervisor

APPROVED BY:

Signature EMR Kathleen Doyle /s/ Signature QMR Monte Eggen /s/

Revision History

Date	**Comments**
05/27/04	General formatting changes. Revised Rationale.
09/03/04	Provision for equivalent form added; Regulatory reference location revised.
02/12/07	Added reference to Ontario Reg. 347, Sec. 23 b. Modified language in Step 1 & 2 to reflect new Federal manifest form. Updated reference to "IPS" to "Upstream".
04/20/09	New format including QMS. Revision to add language specific to using Streamline to meet requirements. Added Definitions. Added references to "Manifest Follow-up Date" and added new column to OC-008F.
11/11/11	Replaced all "Upstream" references with "Sustainability Services" in the body, header and footer of the document. Replaced Upstream logo with WM logo. Removed indents in body of first page. OC-008F overhauled.

When Printed This Document Becomes An Uncontrolled Copy
Verify Latest Revision Date on the Sustainability Services hared Drive or EHS SharePoint Site

WASTE MANAGEMENT

Manifest Tracking Form

Document No: OC-008F
Revision Date : 11/11/11

Yellow Row = 35 Days Past Date Shipped : Follow Up With TSDF
Red Row = 45 Days Past Date Shipped : Generate Exception Report

Required Fields					Optional Fields						
Manifest Number	Date Waste Shipped	Manifest Follow Up Date	Manifest Due Date	Manifest Returned Date	Disposal Facility (TSDF)	Transporter	Waste Type	No. of Containers	Container Type	Volume	Units

1 PP 1 NC 14

*463735

132175B A7721

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: MID064197742
2. Page 1 of: 1
3. Emergency Response Phone: (800) 567-7455
4. Manifest Tracking Number: 008498461 JJK

5. Generator's Name and Mailing Address
BASF CORP
1609 BIDDLE AVE
WYANDOTTE MI 48192 (734)473-7600
Generator's Phone:

Generator's Site Address (if different than mailing address)
BASF CORP
1609 BIDDLE AVE
WYANDOTTE MI 48192 (734)473-7600

6. Transporter 1 Company Name: NORTRU, LLC
U.S. EPA ID Number: MID021087275

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
PETRO-CHEM PROCESSING GROUP
421 Lycaste
Detroit, MI 48214 (313) 824-5840
Facility's Phone:
U.S. EPA ID Number: MID980615298

9a. HM	9b. U.S. DOT Description (Including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
RQ	1. UN1993 WASTE FLAMMABLE LIQUIDS, N.O.S. (XYLENE,METHYL ETHYL KETONE,ISOPROPANOL) 3 PGII	001	TT	8,787	G	F002	F005	D001
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
(1) 425690-00 - EDB(120) SPENT SOLVENT & SYRU 5906429938 B 428241 67934 761-243

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Rodney Moore
Signature: Rodney Moore
Month 05 Day 25 Year 11

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Brian Englert
Signature: Brian Eng
Month 05 Day 25 Year 11
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H061 H141
2.
3.
4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in item 18a
Printed/Typed Name: S. Jabalee
Signature: S. Jabalee
Month 05 Day 25 Year 11

GENERATOR — INTL. — TRANSPORTER — DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY'S COPY

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: MID064197742
2. Page 1 of 2
3. Emergency Response Phone: (877) 818-0087
4. Manifest Tracking Number: 000530083 VES

5. Generator's Name and Mailing Address: BASF CORPORATION, 1609 BIDDLE AVENUE, WYANDOTTE, MI 48192
Generator's Phone: 734 324-5596
Generator's Site Address (if different than mailing address): SAME

6. Transporter 1 Company Name: HAZMAT ENVIRONMENTAL GROUP INC
U.S. EPA ID Number: NYD980769947

7. Transporter 2 Company Name: [illegible]
U.S. EPA ID Number: TXF000077970

8. Designated Facility Name and Site Address: VEOLIA ES TECHNICAL SOLUTIONS, HIGHWAY 73, 3.5 MILES W. OF TAYLOR'S BAYOU, PORT ARTHUR, TX 77640
Facility's Phone: 409 736-2821
U.S. EPA ID Number: TXD000838896

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. UN1093, WASTE ACRYLONITRILE, STABILIZED, 3 (6.1), I, RQ (D001) W-[illegible]	02	Dm	0110	G	D009 D001 OUTS219H
X	2. UN1993, WASTE FLAMMABLE LIQUIDS, n.o.s., (METHANOL, N-BUTYL ACETATE), 3, II, RQ (D001) EV 2-D-05	01	Dm	0055	G	D001 OUTS219H
X	3. UN1992, WASTE FLAMMABLE LIQUIDS, POISON, n.o.s., (ACRYLONITRILE, STYRENE), 3 (6.1), II, RQ (D001) W-056				G	D002 131U D001 OUTS219H
X	4. UN1993, WASTE FLAMMABLE LIQUIDS, n.o.s., (ACETONE, DIMETHYLFORMAMIDE), 3, II W-065	04	Dm	0020	G	F003 D002 D001 OUTS219H

RECEIVED
JUN 12 2012
ENVIRONMENTAL HEALTH & SAFETY DEPT.

14. Special Handling Instructions and Additional Information: ER Service Contracted by VESTS -|- ER Service Contracted by VESTS, OU36200 Livonia, MI -|- 1) ERG:131P W:281676 A:PTA281676 W-482 2) ERG:128 W:279215 A:PTA279215 EVR&D-05 3) ERG:131 W:281656 A:PTA281656 W-006 4) ERG:128 W:281256 A:PTAVES008 W-065

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Jeffrey D Garner
Signature: [signature]
Month 05 Day 22 Year 12

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Michael Shuart
Signature: [signature]
Month 05 Day 22 Year 12
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H040	H040	—	H040

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Bernadine Jones
Signature: [signature]
Month 05 Day 31 Year 12

GENERATOR / INT'L / TRANSPORTER / DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number
2. Page 1 of 1
3. Emergency Response Phone
4. Manifest Tracking Number: 009231839 JJK

5. Generator's Name and Mailing Address

Generator's Site Address (if different than mailing address)

Generator's Phone:

6. Transporter 1 Company Name — U.S. EPA ID Number

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address — U.S. EPA ID Number

Facility's Phone:

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
	1.	001		8714		
	2.					
	3.					
	4.					

RECEIVED
JUN 20 2012
ENVIRONMENTAL HEALTH & SAFETY DEPT.

14. Special Handling Instructions and Additional Information

761-243 92268

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Rodney Moore — Signature: Rodney Moore — Month 05 Day 14 Year 12

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: James Kerschecore — Signature: James Kerschecore — Month 5 Day 14 Year 12

Transporter 2 Printed/Typed Name — Signature — Month Day Year

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2	3.	4.

20. Designated Facility Owner or Operator. Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: R. Schaefer — Signature: [illegible] — Month 5 Day 14 Year 12

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

1Printed

6125440 1453701

6/20/2012

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: MID084197742
2. Page 1 of: 1
3. Emergency Response Phone: (800) 567-7455
4. Manifest Tracking Number: 009607286 JJK

5. Generator's Name and Mailing Address
BASF CORP
1609 BIDDLE AVE
WYANDOTTE MI 48192 (734)479-7600
Generator's Phone:

Generator's Site Address (if different than mailing address)
BASF CORP
1609 BIDDLE AVE
WYANDOTTE MI 48192 (734)479-7600

6. Transporter 1 Company Name: ~~NORTHWEST ENVIRONMENTAL, INC~~ Nortru LLC
U.S. EPA ID Number: ~~MIK000044431~~ MID021087275

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
PETRO-CHEM PROCESSING GROUP
421 Lycaste
Detroit, MI 48214 (313) 824-5840
Facility's Phone:
U.S. EPA ID Number: MID980615298

9a. HM	9b U.S. DOT Description (Including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. UN1993 WASTE FLAMMABLE LIQUIDS, N.O.S. (STYRENE ISOPROPANOL,XYLENE) 3 PGII	001	TT	8558	G	F003	F005	D001
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
(1) 425698-01 - ERG(128) SPENT SOLVENT & STRU
79623

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: JERRY MEAD
Signature: [signature]
Month 03 Day 12 Year 12

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Brian Englert
Signature: [signature]
Month 03 Day 12 Year 12
Transporter 2 Printed/Typed Name
Signature
Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H061 W141
2.
3.
4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: S. Tabalce
Signature: [signature]
Month 03 Day 12 Year 12

GENERATOR | INT'L | TRANSPORTER | DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY'S COPY

6/20/2012

615608 1456647

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: MID064197742
2. Page 1 of 1
3. Emergency Response Phone: (800) 567-7455
4. Manifest Tracking Number: 009606637 JJK

5. Generator's Name and Mailing Address
BASF CORP
1609 BIDDLE AVE
Generator's Phone: WYANDOTTE MI 48192 (734)473-7608

Generator's Site Address (if different than mailing address)
BASF CORP
1609 BIDDLE AVE
WYANDOTTE MI 48192 (734)473-7608

6. Transporter 1 Company Name: NORTRU, LLC
U.S. EPA ID Number: MID021087275

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
PETRO-CHEM PROCESSING GROUP
421 Lycaste
Facility's Phone: Detroit, MI 48214 (313) 824-5840
U.S. EPA ID Number: MID980615298

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. UN1993 WASTE FLAMMABLE LIQUIDS, N.O.S. (STYRENE ISOPRANOL,XYLENE) 3 PGII	001	TT	7,453	G	F003	F005	D001
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
(1) 425698-01 - ERG(128) SPENT SOLVENT & SYRU

89706
761-243

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Rodney Moore
Signature: Rodney Moore
Month 03 Day 29 Year 12

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Joshua Zwirner
Signature:
Month 03 Day 29 Year 12
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H061 H141 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: S. Fabalee
Signature: S. Fabalee

GENERATOR — INTL — TRANSPORTER — DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE

598724 1262208

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: MID064197742
2. Page 1 of: 3
3. Emergency Response Phone: (800) 567-7455
4. Manifest Tracking Number: 007745052 JJK

5. Generator's Name and Mailing Address
BASF CORP
1609 RIDGE AVE
WYANDOTTE MI 48192 (734)473-7600
Generator's Phone:

Generator's Site Address (if different than mailing address)
BASF CORP
1609 RIDGE AVE
WYANDOTTE MI 48192 (734)473-7600

6. Transporter 1 Company Name: NORTRU, LLC
U.S. EPA ID Number: MID021087279

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
PETRO-CHEM PROCESSING GROUP
421 Lycaste
Detroit, MI 48214 (313) 824-5840
Facility's Phone:
U.S. EPA ID Number: MID980615298

9a. HM	9b U S DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt /Vol.	13 Waste Codes
RQ	1. UN1992 WASTE FLAMMABLE LIQUIDS, N.O.S. (METHANOL, N-BUTYL ACETATE, METHYL ETHYL KETONE) 3 PGII RQ(D001)	01	DM	0055	G	D001 F005
RQ	2. UN1992 WASTE FLAMMABLE LIQUIDS, TOXIC, N.O.S. (ACRYLONITRILE, STYRENE) 3 (6.1) PGII RQ(D001)	46	DM	2530	G	D001 D018
RQ	3 UN1993 WASTE FLAMMABLE LIQUIDS, N.O.S. (SOLVENTS) 3 PGII RQ(D001)	03	DM	0015	G	D001
RQ	4. UN1993 WASTE FLAMMABLE LIQUIDS, N.O.S. (URETHANE RESIN, POLYOL) 3 PGII RQ(D001)	03	DM	0165	G	D001

RECEIVED
FEB 10 2011
ENVIRONMENTAL, HEALTH & SAFETY DEPT

14. Special Handling Instructions and Additional Information
(1) 3M4605-00 - ERG(128) SMALL CONTAINERS OF (2) 4044843-00 - ACRYLONITRILE,STYREN (3) 4044849-00 - DNF WASTE SOLVENTS
(4) 4044876-00 - ERG(128) WASTE URETHANE RESIN
761-195

15 **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true. 59333

Generator's/Offeror's Printed/Typed Name: JEFFREY D. GARNER
Signature: Jeffrey D. Garner
Month 01 Day 24 Year 11

16. International Shipments ☐ Import to U.S ☐ Export from U S
Transporter signature (for exports only):
Port of entry/exit.
Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Jimmy Simms
Signature: Jimmy Simms
Month 01 Day 21 Year 11
Transporter 2 Printed/Typed Name
Signature
Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone

18c Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e , codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4
H141	H061	H061	H061

20 Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name
Signature
Month Day Year

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

Attachment 2

BASF Corporation
1609 Biddle Avenue
Wyandotte, MI 48192-3729
Tel (734) 324-6000
www basf com/usa

BASF The Chemical Company	Title: Standard Operating Procedure, Central Waste Accumulation Storage Area Weekly Inspections		
Site Procedure	Function: Ecology, Health & Safety		
	No.: CWASA SOP 1		Page: 1 of 4
Wyandotte	Reviewed: 05/2010	Effective: 06/2010	Supersedes: SOG 1
Preparer: ENV Team Leader	Owner: ENV Technician		Approver: ENV Team Leader

Revision History

Revision Date	Revision Number	Details of Change
5/28/2010	1	Revised to meet new standardized document format

1. PURPOSE

To meet regulatory requirement to inspect an accumulation storage area according to the requirements specified in WYN032.065, 40CFR262.43(a) and Michigan Part 111 rules.

2. DEFINITIONS

3. SCOPE

Central Waste Accumulation Storage Area Building 55M

4. PROCEDURE

Complete Weekly Inspection Form (See Attachment I). Listed below are the requirements to be completed during the weekly inspection.

4.1. Container Inspections:

4.1.1. Properly labeled

4.1.2. Noted with the accumulation start date on the container.

4.1.3. In a clean and undamaged conditions.

4.1.4. Free of leakage on the top and side of the container.

4.1.5. Securely sealed per DOT Specs found in CFR 49 Part 178 – 178.2 C or CWASA SOP #7.

4.2. Inspect pallets:

4.2.1. Evidence of leakage from containers.

4.2.2. Adequate condition to support containers.

4.2.3. Labels properly faced to the aisles.

4.2.4. Inspect the storage area:

4.3. Inspect Building Infrastucture

4.3.1. Floor is clean and dry.

4.3.2. Adequate aisle space between rows of pallets for inspection of containers.

4.3.3. Floor is free of cracks and damage to protective coating.

4.3.4. Ramp, dock area and warehouse are free of debris.

4.3.5. Ramp drain valve is in a closed position

4.4. Verify the inventory of the spill response equipment.

4.4.1. Overpack or salvage drums

4.4.2. Absorbent, spill pillows. And spill socks.

4.4.3. Isocyanate, acid, and caustic neutralizer.

4.4.4. Protective clothing.

4.5. Discrepancies

4.5.1. For waste containers found to be deficient, a Container Discrepancy Form must be issued to the respective generating unit (See Attachment II).

4.5.2. All other discrepancies or failures shall be documented on the form and communicated to the Environmental Team Leader.

4.5.3. For those discrepancies considered significant an AIMS report will be initiated.

4.5.4. Discrepancies noted on the inspected form that are not corrected immediately shall have the resulting action item entered into the AIMS Action Tracker System.

5. RESPONSIBILITES

5.1. Environmental Technician and or Waste Management Technician

5.1.1. Complete inspection forms

5.1.2. Document findings and enter discrepancies either in to Action Tracker or AIMS Incident Reporting System.

5.2. Environmental Team Leader

5.2.1. Periodically review inspections and review open incident reports and action items.

6. REFERENCED DOCUMENTS

WYN032.065 Accumulation Storage Area Requirements

40CFR262.34(a)

State of Michigan Part 111 rules.

CWASA SOP #7

1. PURPOSE

To outline operational procedures for the proper management and handling of hazardous and nonhazardous waste in accumulation storage areas as defined by federal and state waste regulations.

To ensure that all personnel involved with the generation of waste from Research and Development, Quality Assurance, Pilot, and Production activities are trained and have a working knowledge of the site's waste management procedures.

2. SCOPE

These procedures apply to those units and their personnel that are involved in the management of hazardous and non-hazardous wastes.

3. PROCEDURE

3.1. Hazardous Waste Accumulation Storage Area Requirements (90 Day Storage Areas):

3.2. Hazardous Waste Accumulation Storage Areas, by definition, may accumulate more than 55 gallons of one or more individually characterized hazardous wastes in a designated storage area and must be under the direct control of personnel trained in the management of Hazardous Waste Accumulation Storage Areas.

3.3. The following requirements apply to all Hazardous Waste Accumulation Storage Areas:

3.3.1. All hazardous waste containers must be labeled with the yellow and red "Hazardous Waste Label" as soon as they are placed in the designated Hazardous Waste Accumulation Storage Area (see Attachment I). The label should be affixed on the upper one-third portion of the container. The label must include the following:

A. The proper DOT shipping name and UN or NA Number.

B. The generator information including the EPA ID Number for the Wyandotte Site.

C. The EPA Waste Number assigned to the waste by the Ecology Services Department.

D. The accumulation start date. The date the collection of hazardous waste begins and not when the container becomes full.

E. All containers must be affixed with the proper DOT labels or placards, if applicable.

F. All containers must be labeled with the BASF Waste Code and Description assigned by the MI-CAN Hub, except for bulk waste streams (e.g. roll-off boxes).

G. A log must be maintained for each designated Hazardous Waste Accumulation Storage Area to document the type and quantity of each hazardous waste received into the area, when it is removed, and where it was sent.

3.4. Containers of hazardous waste placed in an Accumulation Storage Area must be shipped to an approved waste disposal facility within 90 days of the date noted as the "accumulation start date" on the "Hazardous Waste Label."

3.5. In-plant or departmental storage of hazardous waste in a designated Accumulation Storage Area shall be limited to 45 days if it is to be transferred to the Site's CWASA. This will ensure that the Ecology Services Department will have adequate time to dispose of the waste within the 90-day time limit.

3.6. Secondary containment must be provided utilizing a material of construction that is impermeable and compatible with the waste and will prevent run-off. The containment base must be sloped to prevent containers from sitting in rainwater or non-contained hazardous waste. The containment system must have a holding capacity of 100% of the total volume of the largest container or 10% of the aggregate volume of all containers in the containment unit whichever is larger.

3.7. Incompatible wastes must be physically separated while in an Accumulation Storage Area.

3.8. Containers must have adequate protection from the weather.

3.9. All spills, leaks or rainwater that collect in the containment area must be cleaned and/or removed as soon as practicable.

3.10. A sign must be posted clearly designating the Hazardous Waste Accumulation Storage Area using the following text:

3.10.1. Hazardous Waste Accumulation Storage Area
3.10.2. No Admittance Except by Authorized Personnel

3.11. All containers must meet the following requirements:

3.11.1. They must be in sound condition.
3.11.2. They must be constructed of an appropriate material to prevent leakage.
3.11.3. They must be kept closed except when adding or emptying waste from the container.
3.11.4. They must be kept clean of any spilled material.
3.11.5. They are handled and stored so as not to cause rupture or leakage.

3.12. Inspections:

3.12.1. All Hazardous Waste Accumulation Storage Areas must be inspected weekly. The inspections must be documented including the date and time of inspection, name of the inspector, a notation of the observations made, and the date and nature of any repairs or other remedial actions.. Spillage or container leakage reporting should follow the requirements outlined in Ecology Services Std, "Reporting of Spills and/or Environmental Releases" (ES-1).
3.12.2. Items to note include:

A. Spillage or container leakage.
B. Improper labeling.
C. Storage container(s) not covered or closed.
D. Inadequate aisle space to allow for proper inspections.
E. Problems with the containment system.
F. Lack of necessary spill cleanup and emergency response equipment in the immediate area.

Note: If any of the above deficiencies are noted, corrective action must be taken

immediately.

Units should assess at that time if an incident report should be entered into the AIMS system.

4. RELATED DOCUMENTS & TRAINING:

ES-1 Reporting of Spills and Releases
ES-2 Management of Chemical Waste
ES-7 Management of Accumulated Precipitation in Secondary Containment Units
ES-9 Accumulation Storage Area Requirements
State of Michigan Part 5 Rules "Spillage of Oil and Polluting Materials"
State of Michigan Part 111 Rules of 1994 PA 451 - "Hazardous Waste Management":
Training - CORP-EHS0120 - RCRA Hazardous Waste

5. ATTACHMENT I

HAZARDOUS WASTE

FEDERAL LAW PROHIBITS IMPROPER DISPOSAL.
IF FOUND, CONTACT THE NEAREST POLICE OR PUBLIC SAFETY AUTHORITY OR THE U.S. ENVIRONMENTAL PROTECTION AGENCY.

GENERATOR INFORMATION:

NAME BASF CORPORATION

ADDRESS 1609 BIDDLE AVENUE PHONE

CITY WYANDOTTE STATE MI ZIP 48192

MANIFEST TRACKING NO ACCUMULATION START DATE

EPA ID NO. MID064197742 EPA WASTE NO. U162, D001

RQ Waste Methyl Methacrylate monomer, stabilized (D001) UN 1247

D.O.T. PROPER SHIPPING NAME AND UN OR NA NO. WITH PREFIX

HANDLE WITH CARE!

STYLE WM6P

LABELMASTER® (800) 621-5808 www.labelmaster.com

Date	Revision Number	Nature of Change
05/12/10	Draft	Updated existing ES procedure to promote consistency with Wyandotte W-Standards which cover EHS documents.

Container Management

WM-SW-008 Container Pickup / Shipment Process

1. Arrive at pickup location
2. Sign in at location and make contact for container pickup
3. Plant operator will load the material into the back of the truck
4. WM conducts a visual inspection of each container checking the following items
    a. Container contains proper labeling
        i. Hazardous Waste
            1. Hazardous Waste Label
            2. BASF Profile Number Label
            3. DOT Haz Class Label
        ii. Non Hazardous Waste
            1. Non Hazardous Waste Label
            2. BASF Profile Number Label
            3. Hazard Communication Label
            4. DOT Label (if applicable)
    b. Container is properly closed
            1. Torque Bungs
            2. Torque Ring Bolt
    c. Container is in good condition
            1. No leaks
            2. Etc
5. WM writes the following information onto the container using a paint pen
        i. BASF Profile Number
            1. Top
        ii. Unique Container Number
            1. Top
            2. Side (below waste label)
        iii. Storage Start Date
            1. Top (if material is Hazardous Waste)
6. WM Logs the container into the Container Pickup Inventory Log
    a. Log includes the following fields
        i. Pickup Location
        ii. Unique Container Number
        iii. BASF Profile Number
        iv. Accumulation Start Date (if applicable)
        v. Cost Center
        vi. Container Size
        vii. Container Type
        viii. Container Color
7. WM delivers containers to Central 90 Day Waste Storage Area

8. WM enters the containers into Streamline Container Management screen populating all data included on the Container Pickup Inventory Log except for container color. See WM-SW-005.

Container Shipments

9. WM writes the TSDF approval number on the top of each container
10. WM re-labels containers to ensure compliance with current DOT / RCRA regulations
    a. typically applies to Hazardous Waste containers
    b. labels are received from TSDF prior to drum shipment date and already contain manifest number preprinted
11. WM uses container inventory log, printed from Streamline Container Management Screen, to mark all containers shipping on that truck
12. WM uses container inventory log to complete waste manifest for shipment
13. WM uses container inventory log and manifest to populate data into Streamline for tracking and billing

The Chemical Company

Attachment 3

BASF Corporation
1609 Biddle Avenue
Wyandotte, MI 48192-3729
Tel (734) 324-6000
www basf com/usa

BASF The Chemical Company	Title: Standard Operating Procedure, Central Waste Accumulation Storage Area Weekly Inspections		
Site Procedure	Function: Ecology, Health & Safety		
	No.: CWASA SOP 1		Page: 1 of 4
Wyandotte	Reviewed: 05/2010	Effective: 06/2010	Supersedes: SOG 1
Preparer: ENV Team Leader	Owner: ENV Technician		Approver: ENV Team Leader

Revision History

Revision Date	Revision Number	Details of Change
5/28/2010	1	Revised to meet new standardized document format

1. PURPOSE

To meet regulatory requirement to inspect an accumulation storage area according to the requirements specified in WYN032.065, 40CFR262.43(a) and Michigan Part 111 rules.

2. DEFINITIONS

3. SCOPE

Central Waste Accumulation Storage Area Building 55M

4. PROCEDURE

Complete Weekly Inspection Form (See Attachment I). Listed below are the requirements to be completed during the weekly inspection.

4.1. Container Inspections:

4.1.1. Properly labeled

4.1.2. Noted with the accumulation start date on the container.

4.1.3. In a clean and undamaged conditions.

4.1.4. Free of leakage on the top and side of the container.

4.1.5. Securely sealed per DOT Specs found in CFR 49 Part 178 – 178.2 C or CWASA SOP #7.

4.2. Inspect pallets:

4.2.1. Evidence of leakage from containers.

4.2.2. Adequate condition to support containers.

4.2.3. Labels properly faced to the aisles.

4.2.4. Inspect the storage area:

4.3. Inspect Building Infrastucture

4.3.1. Floor is clean and dry.

4.3.2. Adequate aisle space between rows of pallets for inspection of containers.

4.3.3. Floor is free of cracks and damage to protective coating.

4.3.4. Ramp, dock area and warehouse are free of debris.

4.3.5. Ramp drain valve is in a closed position

4.4. Verify the inventory of the spill response equipment.

4.4.1. Overpack or salvage drums

4.4.2. Absorbent, spill pillows. And spill socks.

4.4.3. Isocyanate, acid, and caustic neutralizer.

4.4.4. Protective clothing.

4.5. Discrepancies

4.5.1. For waste containers found to be deficient, a Container Discrepancy Form must be issued to the respective generating unit (See Attachment II).

4.5.2. All other discrepancies or failures shall be documented on the form and communicated to the Environmental Team Leader.

4.5.3. For those discrepancies considered significant an AIMS report will be initiated.

4.5.4. Discrepancies noted on the inspected form that are not corrected immediately shall have the resulting action item entered into the AIMS Action Tracker System.

5. RESPONSIBILITES

5.1. Environmental Technician and or Waste Management Technician

5.1.1. Complete inspection forms

5.1.2. Document findings and enter discrepancies either in to Action Tracker or AIMS Incident Reporting System.

5.2. Environmental Team Leader

5.2.1. Periodically review inspections and review open incident reports and action items.

6. REFERENCED DOCUMENTS

WYN032.065 Accumulation Storage Area Requirements

40CFR262.34(a)

State of Michigan Part 111 rules.

CWASA SOP #7

1. PURPOSE

To outline operational procedures for the proper management and handling of hazardous and nonhazardous waste in accumulation storage areas as defined by federal and state waste regulations.

To ensure that all personnel involved with the generation of waste from Research and Development, Quality Assurance, Pilot, and Production activities are trained and have a working knowledge of the site's waste management procedures.

2. SCOPE

These procedures apply to those units and their personnel that are involved in the management of hazardous and non-hazardous wastes.

3. PROCEDURE

3.1. Hazardous Waste Accumulation Storage Area Requirements (90 Day Storage Areas):

3.2. Hazardous Waste Accumulation Storage Areas, by definition, may accumulate more than 55 gallons of one or more individually characterized hazardous wastes in a designated storage area and must be under the direct control of personnel trained in the management of Hazardous Waste Accumulation Storage Areas.

3.3. The following requirements apply to all Hazardous Waste Accumulation Storage Areas:

3.3.1. All hazardous waste containers must be labeled with the yellow and red "Hazardous Waste Label" as soon as they are placed in the designated Hazardous Waste Accumulation Storage Area (see Attachment I). The label should be affixed on the upper one-third portion of the container. The label must include the following:

A. The proper DOT shipping name and UN or NA Number.

B. The generator information including the EPA ID Number for the Wyandotte Site.

C. The EPA Waste Number assigned to the waste by the Ecology Services Department.

D. The accumulation start date. The date the collection of hazardous waste begins and not when the container becomes full.

E. All containers must be affixed with the proper DOT labels or placards, if applicable.

F. All containers must be labeled with the BASF Waste Code and Description assigned by the MI-CAN Hub, except for bulk waste streams (e.g. roll-off boxes).

G. A log must be maintained for each designated Hazardous Waste Accumulation Storage Area to document the type and quantity of each hazardous waste received into the area, when it is removed, and where it was sent.

3.4. Containers of hazardous waste placed in an Accumulation Storage Area must be shipped to an approved waste disposal facility within 90 days of the date noted as the "accumulation start date" on the "Hazardous Waste Label."

3.5. In-plant or departmental storage of hazardous waste in a designated Accumulation Storage Area shall be limited to 45 days if it is to be transferred to the Site's CWASA. This will ensure that the Ecology Services Department will have adequate time to dispose of the waste within the 90-day time limit.

3.6. Secondary containment must be provided utilizing a material of construction that is impermeable and compatible with the waste and will prevent run-off. The containment base must be sloped to prevent containers from sitting in rainwater or non-contained hazardous waste. The containment system must have a holding capacity of 100% of the total volume of the largest container or 10% of the aggregate volume of all containers in the containment unit whichever is larger.

3.7. Incompatible wastes must be physically separated while in an Accumulation Storage Area.

3.8. Containers must have adequate protection from the weather.

3.9. All spills, leaks or rainwater that collect in the containment area must be cleaned and/or removed as soon as practicable.

3.10. A sign must be posted clearly designating the Hazardous Waste Accumulation Storage Area using the following text:

3.10.1. Hazardous Waste Accumulation Storage Area
3.10.2. No Admittance Except by Authorized Personnel

3.11. All containers must meet the following requirements:

3.11.1. They must be in sound condition.
3.11.2. They must be constructed of an appropriate material to prevent leakage.
3.11.3. They must be kept closed except when adding or emptying waste from the container.
3.11.4. They must be kept clean of any spilled material.
3.11.5. They are handled and stored so as not to cause rupture or leakage.

3.12. Inspections:

3.12.1. All Hazardous Waste Accumulation Storage Areas must be inspected weekly. The inspections must be documented including the date and time of inspection, name of the inspector, a notation of the observations made, and the date and nature of any repairs or other remedial actions.. Spillage or container leakage reporting should follow the requirements outlined in Ecology Services Std, "Reporting of Spills and/or Environmental Releases" (ES-1).
3.12.2. Items to note include:

A. Spillage or container leakage.
B. Improper labeling.
C. Storage container(s) not covered or closed.
D. Inadequate aisle space to allow for proper inspections.
E. Problems with the containment system.
F. Lack of necessary spill cleanup and emergency response equipment in the immediate area.

Note: If any of the above deficiencies are noted, corrective action must be taken

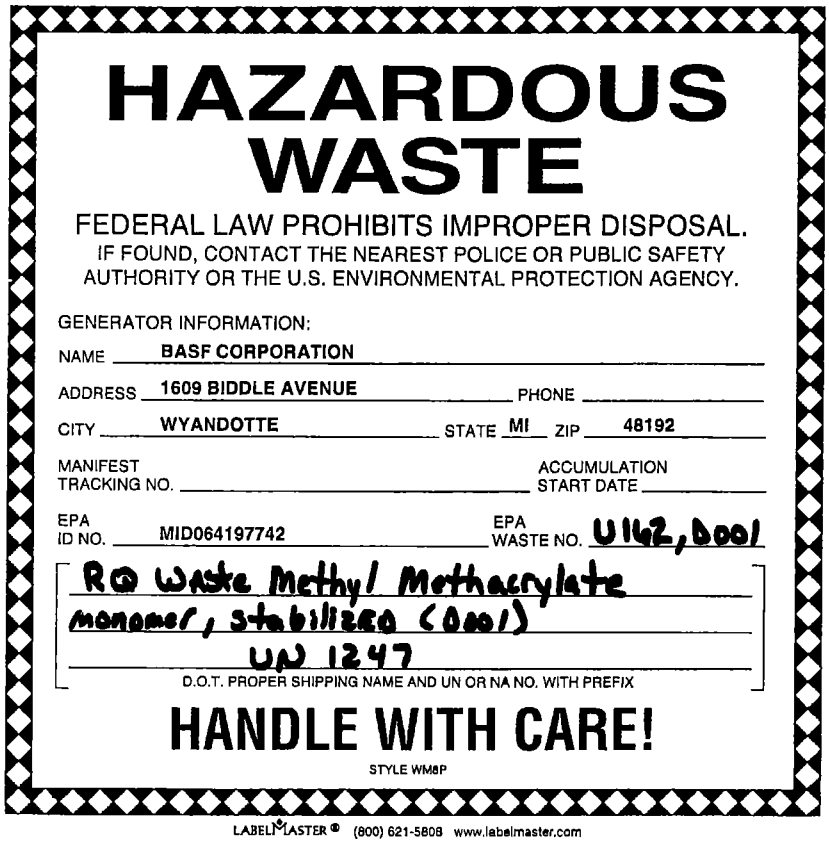
immediately.

Units should assess at that time if an incident report should be entered into the AIMS system.

4. RELATED DOCUMENTS & TRAINING:

ES-1 Reporting of Spills and Releases
ES-2 Management of Chemical Waste
ES-7 Management of Accumulated Precipitation in Secondary Containment Units
ES-9 Accumulation Storage Area Requirements
State of Michigan Part 5 Rules "Spillage of Oil and Polluting Materials"
State of Michigan Part 111 Rules of 1994 PA 451 - "Hazardous Waste Management":
Training - CORP-EHS0120 - RCRA Hazardous Waste

5. ATTACHMENT I



HAZARDOUS WASTE

FEDERAL LAW PROHIBITS IMPROPER DISPOSAL.
IF FOUND, CONTACT THE NEAREST POLICE OR PUBLIC SAFETY AUTHORITY OR THE U.S. ENVIRONMENTAL PROTECTION AGENCY.

GENERATOR INFORMATION:
NAME BASF CORPORATION
ADDRESS 1609 BIDDLE AVENUE PHONE
CITY WYANDOTTE STATE MI ZIP 48192
MANIFEST TRACKING NO. ACCUMULATION START DATE
EPA ID NO. MID064197742 EPA WASTE NO. U162, D001
RQ Waste Methyl Methacrylate monomer, stabilized (D001)
UN 1247
D.O.T. PROPER SHIPPING NAME AND UN OR NA NO. WITH PREFIX

HANDLE WITH CARE!

STYLE WM8P

LABELMASTER® (800) 621-5808 www.labelmaster.com

Date	Revision Number	Nature of Change
05/12/10	Draft	Updated existing ES procedure to promote consistency with Wyandotte W-Standards which cover EHS documents.

Container Management

WM-SW-008 Container Pickup / Shipment Process

1. Arrive at pickup location
2. Sign in at location and make contact for container pickup
3. Plant operator will load the material into the back of the truck
4. WM conducts a visual inspection of each container checking the following items
    a. Container contains proper labeling
        i. Hazardous Waste
            1. Hazardous Waste Label
            2. BASF Profile Number Label
            3. DOT Haz Class Label
        ii. Non Hazardous Waste
            1. Non Hazardous Waste Label
            2. BASF Profile Number Label
            3. Hazard Communication Label
            4. DOT Label (if applicable)
    b. Container is properly closed
            1. Torque Bungs
            2. Torque Ring Bolt
    c. Container is in good condition
            1. No leaks
            2. Etc
5. WM writes the following information onto the container using a paint pen
        i. BASF Profile Number
            1. Top
        ii. Unique Container Number
            1. Top
            2. Side (below waste label)
        iii. Storage Start Date
            1. Top (if material is Hazardous Waste)
6. WM Logs the container into the Container Pickup Inventory Log
    a. Log includes the following fields
        i. Pickup Location
        ii. Unique Container Number
        iii. BASF Profile Number
        iv. Accumulation Start Date (if applicable)
        v. Cost Center
        vi. Container Size
        vii. Container Type
        viii. Container Color
7. WM delivers containers to Central 90 Day Waste Storage Area

8. WM enters the containers into Streamline Container Management screen populating all data included on the Container Pickup Inventory Log except for container color. See WM-SW-005.

Container Shipments

9. WM writes the TSDF approval number on the top of each container
10. WM re-labels containers to ensure compliance with current DOT / RCRA regulations
    a. typically applies to Hazardous Waste containers
    b. labels are received from TSDF prior to drum shipment date and already contain manifest number preprinted
11. WM uses container inventory log, printed from Streamline Container Management Screen, to mark all containers shipping on that truck
12. WM uses container inventory log to complete waste manifest for shipment
13. WM uses container inventory log and manifest to populate data into Streamline for tracking and billing

Document No:	OC-005F SITE SPECIFIC
Revision Date:	02/13/2013
Page:	1 of 1

90-DAY ACCUMULATION AREA INSPECTION CHECKLIST

DATE OF INSPECTION:_____ INSPECTION COMPLETED BY:_____
(Print Name in Block Letters)

Storage Area (if more than one):_____

DATE OF OLDEST HAZARDOUS WATSE CURRENTLY IN STORAGE:_____

DATE OF OLDEST UNIVERSAL WASTE CURRENTLY IN STORAGE:_____

90 Day Accumulation Area Inspection Checklist (U.S. Federal Requirements)		
Checked	**Requirement**	**Regulatory Citation**
	Container Requirements – Part 40 CFR 262	
	Container is marked with accumulation start date.	40 CFR 262.34(a)(2)
	Container is marked with the words "Hazardous Waste".	40 CFR 262.34(a)(3)
	EPA / State Waste Codes are populated	Michigan Regulatory Req
	Container Requirements – 40 CFR Part 265 Subpart I *[Required by 40 CFR 262.34(a)(1) and262.34(d)]*	
	Container is in good condition and non-leaking.	40 CFR 265.171
	Waste is compatible with container that it is stored in.	40 CFR 265.172
	Container is closed except when adding or removing waste.	40 CFR 265.173(a)
	Container not stored in a way that would cause it to spill or leak.	40 CFR 265.173(b)
	Weekly inspections are conducted.	40 CFR 265.174
	Ignitable and reactive wastes are stored at least 15 meters (50 feet) from facility's property line.	40 CFR 265.176
	40 CFR 265 Subpart C - Preparedness and Prevention *[Required by40 CFR 262.34(a)(4) and 262.34(d)]*	
	Facility is maintained in a manner to prevent fire, explosions or spills.	40 CFR 256.31
	Facility must be equipped with (unless hazards posed would not require): 1. Internal communications to signal emergency to facility personnel. 2. Communication device to alert local response personnel. 3. Fire extinguishers. 4. Fire suppression: adequate water supply for emergency personnel or foam producing equipment.	40 CFR 265.32
	Testing and maintenance of alarms and emergency equipment.	40 CFR 265.33
	Immediate access to communication equipment when handling hazardous waste.	40 CFR 265.34
	Adequate aisle space for emergency personnel & equipment.	40 CFR 265.35

Comments:

Hazardous Waste Drum / Container Labeling and Marking

Labels:

1. Waste Label - Each drum MUST contain a Hazardous Waste Label on the side of the drum or container prior to picking up the item.
    a. Label MUST be complete
    b. Accumulation Start Date MUST be populated
2. DOT Label – Each drum MUST contain the appropriate DOT Label(s)
    a. DOT Label MUST match hazard class listed on the Waste Label
3. BASF Waste Number Label MUST be on the side of the drum or container (assigned by BASF)

Markings:

1. Markings MUST include the following (WM PM will write the following information using a paint pen or permanent marker)
    a. Write the Unique Container Number:
        i. Top
        ii. Side – beneath the Waste Labels
    b. Write the BASF Waste Number
        i. Top
    c. Write the Storage Start Date on the container
        i. Top

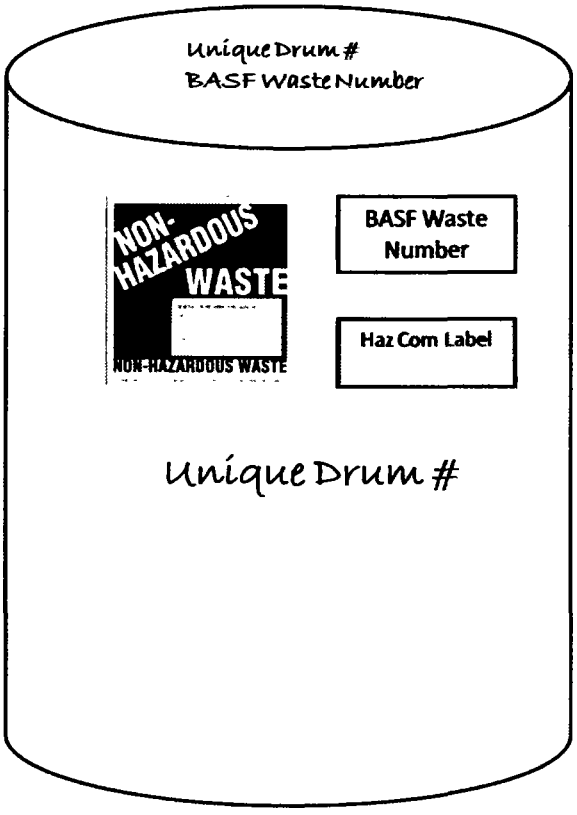
NON Hazardous Waste Drum / Container Labeling and Marking

Labels:

1. Waste Label - Each drum MUST contain a Non Hazardous Waste Label on the side of the drum or container prior to picking up the item.
    a. Label MUST be complete
2. Haz Com Label – Each drum MUST contain the appropriate Haz Com Label
    a. This label is typically red lettering on a yellow background
3. BASF Waste Number Label MUST be on the side of the drum or container (assigned by BASF)

Markings:

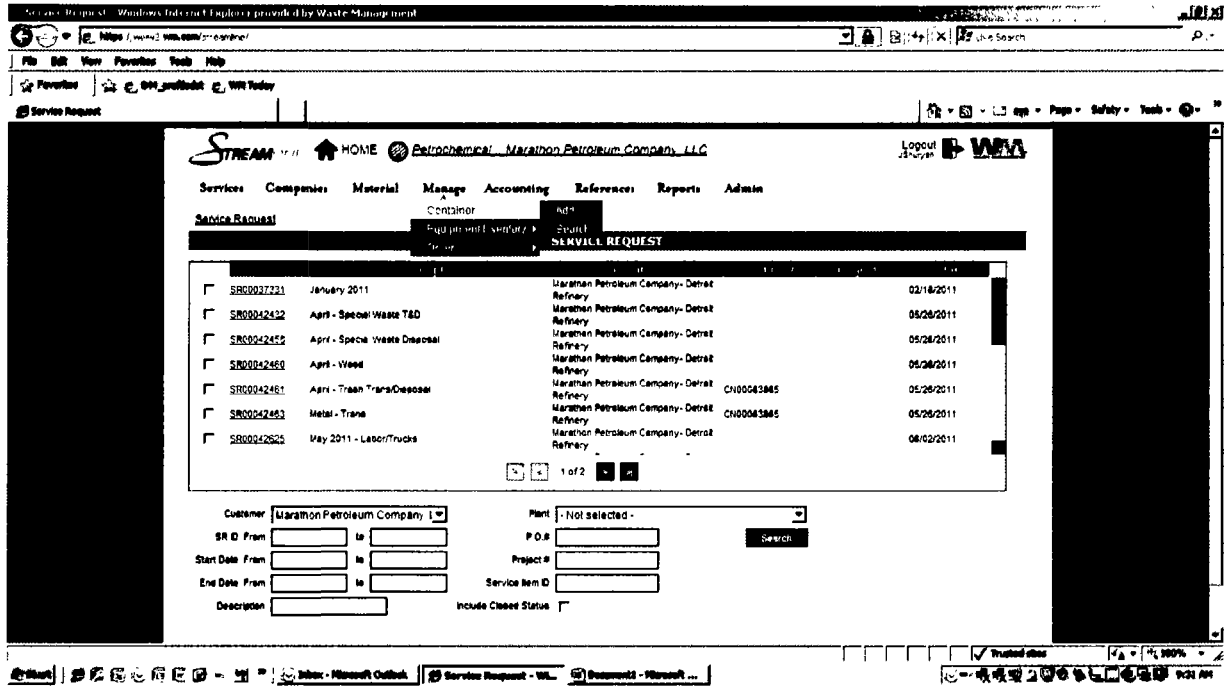
1. Markings MUST include the following (WM PM will write the following information using a paint pen or permanent marker)
    a. Write the Unique Container Number:
        i. Top
        ii. Side – beneath the Waste Labels
    b. Write the BASF Waste Number
        i. Top



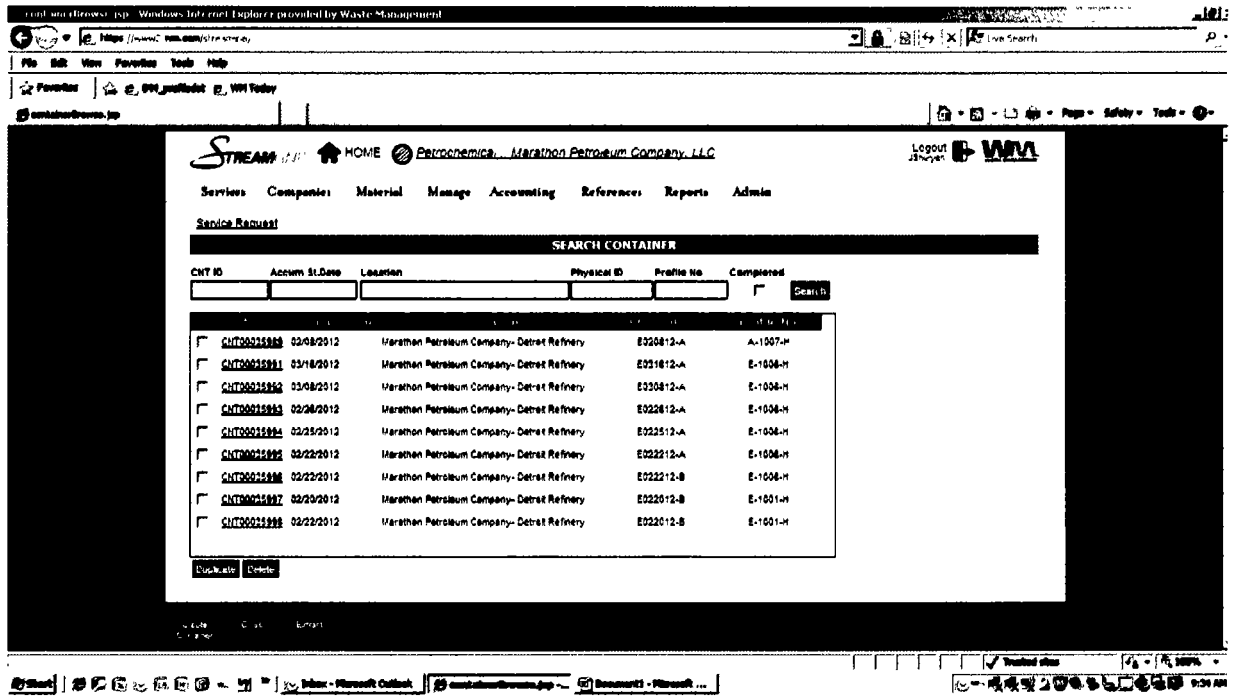
90 Day Waste Tracking Log – Streamline

The following instructions will walk the user thru the process of using the 90 Day Waste Tracking Log in Streamline.

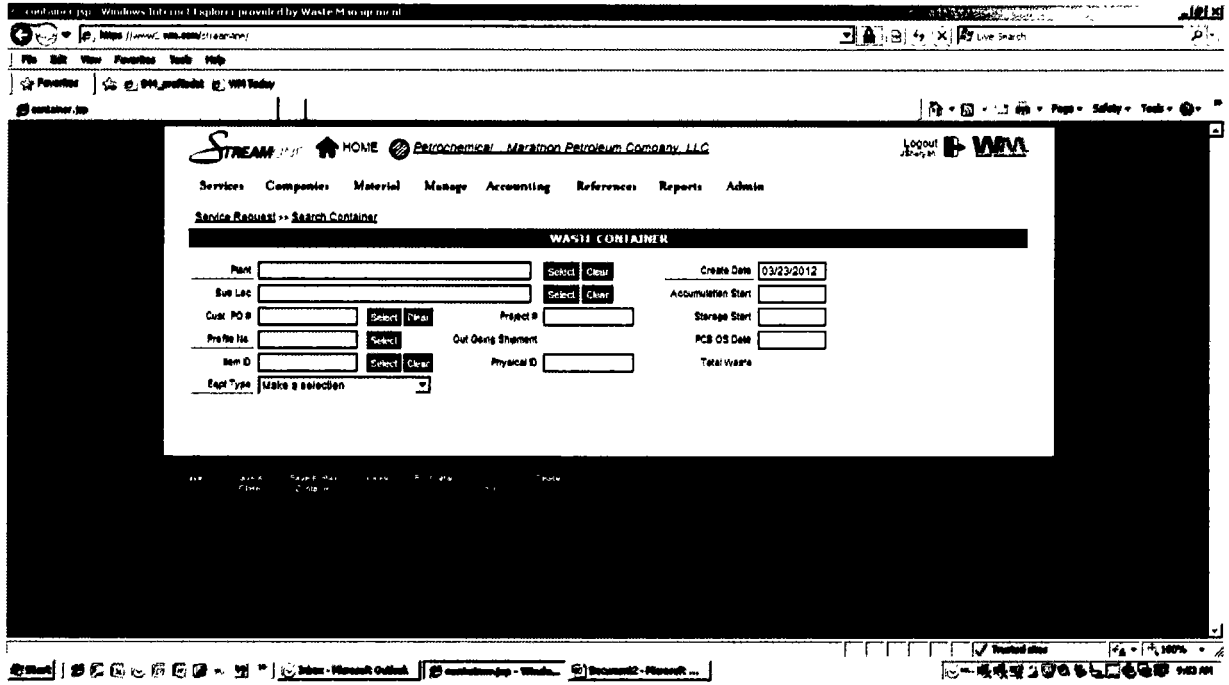
1. Manage
    a. Container
        i. Add
        ii. Search – I suggest always clicking on "Search" since it takes you to the 90 day log screen. This will allow you to "duplicate" containers already in the 90 day storage area.



2. Search Container Screen
    a. This screen will allow the user manage the items on the 90 Day Waste Storage Log
        i. Create a new container
        ii. Duplicate an existing container
        iii. Delete an existing container
        iv. And run an Extract of the 90 Day Log. This will generate a printable excel version of the 90 Day Log.



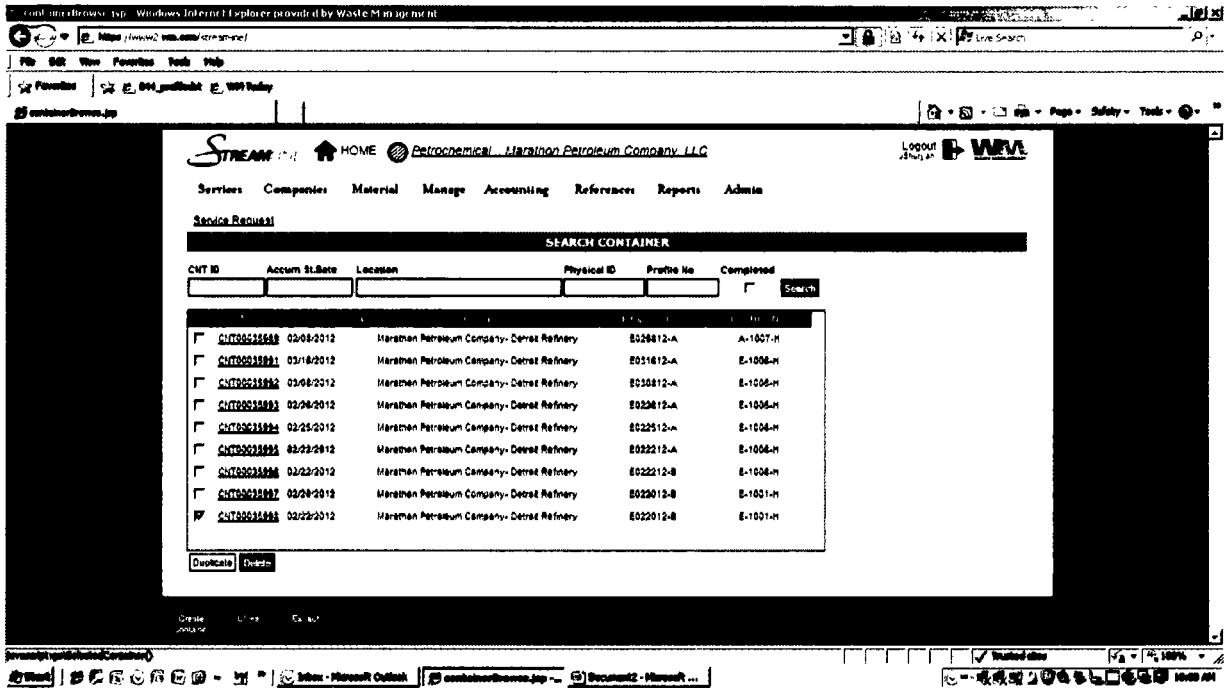
3. **CREATE A NEW CONTAINER**
   a. Click on the "Create Container" button



4. Enter data into the following fields
   a. Plant – Drop Down Menu
   b. Sub Location – Drop Down Menu
   c. Profile Number – Drop Down Menu
   d. Eqpt Type
   e. Physical ID – this it the drum number
   f. Accumulation Start Date
   g. Storage Start Date

5. Save and Close

6. **DUPLICATING A CONTAINER**
   a. Check the box for the item you want to duplicate
   b. Click the "Duplicate" button



7. Enter data into the following fields
   a. Sub Loc – confirm this number is correct
   b. Physical ID – this it the drum number
   c. Accumulation Start Date - optional
   d. Storage Start Date – required

8. Save and Close

Attachment 4

BASF Corporation
1609 Biddle Avenue
Wyandotte, MI 48192-3729
Tel (734) 324-6000
www.basf.com/usa

BASF Corporation North Works Facility
Accumulation Storage Area Inspection Form

Inspected By: Jeff Garner

Date: 8-23-10

Container Condition:

Label Dated	No	Yes
Proper Labeling:	No	Yes
Visible Leakage:	No	Yes
Containers Covered/Closed	No	Yes
Containers showing evidence of damage	No	Yes

Storage Area

Pad Clean/Dry:	No	Yes
Adequate Isle Space	No	Yes
Containment System Free of Cracks	No	Yes

Emergency Response Equipment:

Overpack Drums:	No	Yes
Absorbent:	No	Yes
Neutralizer:	No	Yes
Protective Clothing	No	Yes
Eye Wash/Safety Shower Operating	No	Yes
Fire Extinguisher in good condition	No	Yes

BASF Corporation North Works Facility
Accumulation Storage Area Inspection Form

Inspected By: Jeff Gaener

Date: 9-1-10

Container Condition:

Label Dated	No	Yes
Proper Labeling:	No	Yes
Visible Leakage:	No	Yes
Containers Covered/Closed	No	Yes
Containers showing evidence of damage	No	Yes

Storage Area

Pad Clean/Dry:	No	Yes
Adequate Isle Space	No	Yes
Containment System Free of Cracks	No	Yes

Emergency Response Equipment:

Overpack Drums:	No	Yes	ORDER overpacks
Absorbent:	No	Yes	
Neutralizer:	No	Yes	
Protective Clothing	No	Yes	
Eye Wash/Safety Shower Operating	No	Yes	
Fire Extinguisher in good condition	No	Yes	

BASF Corporation North Works Facility
Accumulation Storage Area Inspection Form

Inspected By: Jeff Greene

Date: 9-8-10

Container Condition:

Label Dated	No	Yes
Proper Labeling:	No	Yes
Visible Leakage:	No	Yes
Containers Covered/Closed	No	Yes
Containers showing evidence of damage	No	Yes

Storage Area

Pad Clean/Dry:	No	Yes
Adequate Isle Space	No	Yes
Containment System Free of Cracks	No	Yes

Emergency Response Equipment:

Overpack Drums:	No	Yes
Absorbent:	No	Yes
Neutralizer:	No	Yes
Protective Clothing	No	Yes
Eye Wash/Safety Shower Operating	No	Yes
Fire Extinguisher in good condition	No	Yes

BASF Corporation North Works Facility
Accumulation Storage Area Inspection Form

Inspected By: Jeff Gamer

Date: 9-13-10

Container Condition:

Label Dated	No	Yes
Proper Labeling:	No	Yes
Visible Leakage:	No	Yes
Containers Covered/Closed	No	Yes
Containers showing evidence of damage	No	Yes

Storage Area

Pad Clean/Dry:	No	Yes
Adequate Isle Space	No	Yes
Containment System Free of Cracks	No	Yes

Emergency Response Equipment:

Overpack Drums:	No	Yes
Absorbent:	No	Yes
Neutralizer:	No	Yes
Protective Clothing	No	Yes
Eye Wash/Safety Shower Operating	No	Yes
Fire Extinguisher in good condition	No	Yes

BASF Corporation North Works Facility
Accumulation Storage Area Inspection Form

Inspected By: Jeff Aamer

Date: 9-20-10

Container Condition:

Label Dated	No	Yes
Proper Labeling:	No	Yes
Visible Leakage:	No	Yes
Containers Covered/Closed	No	Yes
Containers showing evidence of damage	No	Yes

Storage Area

Pad Clean/Dry:	No	Yes
Adequate Isle Space	No	Yes
Containment System Free of Cracks	No	Yes

Emergency Response Equipment:

Overpack Drums:	No	Yes
Absorbent:	No	Yes
Neutralizer:	No	Yes
Protective Clothing	No	Yes
Eye Wash/Safety Shower Operating	No	Yes
Fire Extinguisher in good condition	No	Yes

BASF Corporation North Works Facility
Accumulation Storage Area Inspection Form

Inspected By: Jeff Haner

Date: 9-27-10

Container Condition:

Label Dated	No	Yes
Proper Labeling:	No	Yes
Visible Leakage:	No	Yes
Containers Covered/Closed	No	Yes
Containers showing evidence of damage	No	Yes

Storage Area

Pad Clean/Dry:	No	Yes
Adequate Isle Space	No	Yes
Containment System Free of Cracks	No	Yes

Emergency Response Equipment:

Overpack Drums:	No	Yes
Absorbent:	No	Yes
Neutralizer:	No	Yes
Protective Clothing	No	Yes
Eye Wash/Safety Shower Operating	No	Yes
Fire Extinguisher in good condition	No	Yes

BASF Corporation North Works Facility
Accumulation Storage Area Inspection Form

Inspected By: Jeff Garner

Date: 10-4-10

Container Condition:

Label Dated	No	Yes
Proper Labeling:	No	Yes
Visible Leakage:	No	Yes
Containers Covered/Closed	No	Yes
Containers showing evidence of damage	No	Yes

Storage Area

Pad Clean/Dry:	No	Yes
Adequate Isle Space	No	Yes
Containment System Free of Cracks	No	Yes

Emergency Response Equipment:

Overpack Drums:	No	Yes
Absorbent:	No	Yes
Neutralizer:	No	Yes
Protective Clothing	No	Yes
Eye Wash/Safety Shower Operating	No	Yes
Fire Extinguisher in good condition	No	Yes

BASF Corporation North Works Facility
Accumulation Storage Area Inspection Form

Inspected By: Jeff Garner

Date: 10-11-10

Container Condition:

Label Dated	No	Yes
Proper Labeling:	No	Yes
Visible Leakage:	No	Yes
Containers Covered/Closed	No	Yes
Containers showing evidence of damage	No	Yes

Storage Area

Pad Clean/Dry:	No	Yes
Adequate Isle Space	No	Yes
Containment System Free of Cracks	No	Yes

Emergency Response Equipment:

Overpack Drums:	No	Yes
Absorbent:	No	Yes
Neutralizer:	No	Yes
Protective Clothing	No	Yes
Eye Wash/Safety Shower Operating	No	Yes
Fire Extinguisher in good condition	No	Yes

BASF Corporation North Works Facility
Accumulation Storage Area Inspection Form

Inspected By: Jeff Carver

Date: 10-18-10

Container Condition:

Label Dated	No	Yes
Proper Labeling:	No	Yes
Visible Leakage:	No	Yes
Containers Covered/Closed	No	Yes
Containers showing evidence of damage	No	Yes

Storage Area

Pad Clean/Dry:	No	Yes
Adequate Isle Space	No	Yes
Containment System Free of Cracks	No	Yes

Emergency Response Equipment:

Overpack Drums:	No	Yes
Absorbent:	No	Yes
Neutralizer:	No	Yes
Protective Clothing	No	Yes
Eye Wash/Safety Shower Operating	No	Yes
Fire Extinguisher in good condition	No	Yes

BASF Corporation North Works Facility
Accumulation Storage Area Inspection Form

Inspected By: Jeff Shane

Date: 10-25-10

Container Condition:

Label Dated	No	Yes
Proper Labeling:	No	Yes
Visible Leakage:	No	Yes
Containers Covered/Closed	No	Yes
Containers showing evidence of damage	No	Yes

Storage Area

Pad Clean/Dry:	No	Yes
Adequate Isle Space	No	Yes
Containment System Free of Cracks	No	Yes

Emergency Response Equipment:

Overpack Drums:	No	Yes
Absorbent:	No	Yes
Neutralizer:	No	Yes
Protective Clothing	No	Yes
Eye Wash/Safety Shower Operating	No	Yes
Fire Extinguisher in good condition	No	Yes

BASF Corporation North Works Facility
Accumulation Storage Area Inspection Form

Inspected By: Jeff Gamer

Date: 11-1-10

Container Condition:

Label Dated	No	Yes
Proper Labeling:	No	Yes
Visible Leakage:	No	Yes - W218 called DAVE
Containers Covered/Closed	No	Yes
Containers showing evidence of damage	No	Yes

Storage Area

Pad Clean/Dry:	No	Yes
Adequate Isle Space	No	Yes
Containment System Free of Cracks	No	Yes

Emergency Response Equipment:

Overpack Drums:	No	Yes
Absorbent:	No	Yes
Neutralizer:	No	Yes
Protective Clothing	No	Yes
Eye Wash/Safety Shower Operating	No	Yes
Fire Extinguisher in good condition	No	Yes

BASF Corporation North Works Facility
Accumulation Storage Area Inspection Form

Inspected By: Jeff Garner

Date: 11-8-10

Container Condition:

Label Dated	No	Yes
Proper Labeling:	No	Yes
Visible Leakage:	No	Yes
Containers Covered/Closed	No	Yes
Containers showing evidence of damage	No	Yes

Storage Area

Pad Clean/Dry:	No	Yes
Adequate Isle Space	No	Yes
Containment System Free of Cracks	No	Yes

Emergency Response Equipment:

Overpack Drums:	No	Yes
Absorbent:	No	Yes
Neutralizer:	No	Yes
Protective Clothing	No	Yes
Eye Wash/Safety Shower Operating	No	Yes
Fire Extinguisher in good condition	No	Yes

BASF Corporation North Works Facility
Accumulation Storage Area Inspection Form

Inspected By: Jeff Garner

Date: 11-15-10

Container Condition:

Label Dated	No	Yes
Proper Labeling:	No	Yes
Visible Leakage:	No	Yes
Containers Covered/Closed	No	Yes
Containers showing evidence of damage	No	Yes

Storage Area

Pad Clean/Dry:	No	Yes
Adequate Isle Space	No	Yes
Containment System Free of Cracks	No	Yes

Emergency Response Equipment:

Overpack Drums:	No	Yes
Absorbent:	No	Yes
Neutralizer:	No	Yes
Protective Clothing	No	Yes
Eye Wash/Safety Shower Operating	No	Yes
Fire Extinguisher in good condition	No	Yes

Attachment 5

BASF Corporation
1609 Biddle Avenue
Wyandotte, MI 48192-3729
Tel (734) 324-6000
www.basf.com/usa

MATERIAL SAFETY DATA SHEET

This product is classified as hazardous based on Directive 67/548/EEC (as amended) or Directive 1999/45/EC of the Commission of the European Communities

N-METHYLPYRROLIDONE

1. Identification of the substance/preparation and the company

1.1 Identification of the substance or preparation:

Synonyms: 1-methylpyrrolidinone, 1-methyl-2-pyrrolidinone, M-pyrol, 1-methylpyrrolidone, NMP, pyrol-M, N-methyl-2-pyrrolidone, N-pyrrollidinone

CAS no.	:	000872-50-4			
EC index no.	:	606-021-00-7	**NFPA code**	:	2-1-0
EINECS no.	:	212-828-1	**Molecular weight**	:	99.13
RTECS no.	:	UY5790000	**Formula**	:	C5H9NO

1.2 Company/undertaking identification:
Applied Biosystems Pty Ltd
52 Rocco Drive
Scoresby Vic
Australia 3179

Tel: 03 9730 8600 Fax: 03 9730 8798

1.3 Telephone number for emergency:
0011 1 703 527 3887
(Can be a Reverse Charge Call by Calling 12550 from Australia)
CHEMTREC (24 Hr Emergency Response Service Provider)
1300 Wilson Blvd.
Arlington, VA 22209
USA

2. Composition/information on ingredients

Hazardous ingredients	CAS no.	Conc. in %	Hazard class.	Risks (R-phrases)
N-methylpyrrolidone	872-50-4	100	Xi	36/38

3. Hazards identification

- Irritating to eyes and skin

4. First aid measures

4.1 Eye contact:
- Rinse immediately with plenty of water for 15 minutes
- Do not apply neutralizing agents
- Consult a doctor/medical service if irritation persists

4.2 Skin contact:
- Wash immediately with lots of water and soap for 15 minutes
- Remove clothing before washing
- Do not apply (chemical) neutralizing agents
- Consult a doctor/medical service if irritation persists

4.3 After inhalation:
- Remove the victim into fresh air
- Unconscious: maintain adequate airway and respiration
- Consult a doctor/medical service if breathing problems develop

4.4 After ingestion:
- Immediately give lots of water to drink
- Never give water to an unconscious person
- Consult a doctor/medical service if you feel unwell

5. Fire-fighting measures

5.1 Suitable extinguishing media:
- Water spray
- Alcohol foam
- BC powder
- Carbon dioxide

5.2 Unsuitable extinguishing media:
- Solid water jet ineffective as extinguishing medium

5.3 Special exposure hazards:
- Material presenting a fire hazard
- On heating/burning: release of toxic and corrosive gases/vapours (nitrous vapours, carbon monoxide, carbon dioxide)

5.4 Instructions:
- Cool tanks/drums with water spray/remove them into safety
- Dilute toxic gases with water spray

5.5 Special protective equipment for firefighters:
- Heat/fire exposure: compressed air/oxygen apparatus
- Heat/fire exposure: gas-tight suit

6. Accidental release measures

6.1 Personal protection: see 8.3

6.2 Environmental precautions:
- Contain leaking substance, pump over in suitable containers
- Plug the leak, cut off the supply

6.3 Clean-up:
- Take up liquid spill into inert absorbent material, e.g.: sand, earth, vermiculite
- Scoop absorbed substance into closing containers
- Clean contaminated surfaces with an excess of water
- Wash clothing and equipment after handling

7. Handling and storage

7.1 Handling:
- Observe normal hygiene standards
- Use earthed equipment
- Handle and open the container with care
- Remove contaminated clothing immediately
- Clean contaminated clothing

7.2 Storage:
- Keep container tightly closed
- Store in a cool area
- Store in a dry area
- Keep away from: heat sources, oxidizing agents, reducing agents, acids, bases

Storage temperature: 2/8 °C

7.3 Materials for packaging:
- suitable : steel, stainless steel, nickel, glass
- to avoid : aluminium, synthetic material

8. Exposure controls/Personal protection

8.1 Recommended engineering controls:
- Work under local exhaust/ventilation

Sampling methods:
1-Methyl-2-Pyrrolidinone OSHA CSI

8.2 Exposure limits:

TLV-TWA	:		**mg/m³**		**ppm**
TLV-STEL	:		**mg/m³**		**ppm**
OES-LTEL	:	103	**mg/m³**	25	**ppm**
OES-STEL	:	309	**mg/m³**	75	**ppm**
MAK	:	80 d	**mg/m³**	19 d	**ppm**
MAC-TGG 8h	:	80 d	**mg/m³**		
MAC-TGG 15 min.	:		**mg/m³**		
VME-8h	:		**mg/m³**		**ppm**
VLE-15 min.	:		**mg/m³**		**ppm**
GWBB-8h	:		**mg/m³**		**ppm**
GWK-15 min.	:		**mg/m³**		**ppm**

d = damp (vapor)

8.3 Personal protection:

eye protection:
- Safety glasses

hand protection:
- Gloves

skin protection:
- Protective clothing

materials for protective clothing:
- Butyl rubber
- Polyethylene

respiratory protection:
- High vapour concentration: gas mask with filter A

9. Physical and chemical properties

9.1	**Appearance (at 20°C)**	:	Liquid	
9.2	**Odour**	:	Amine	
9.3	**Colour**	:	Colourless to light-yellow	
9.4	**pH value**	:	8/10	
9.5	**Boiling point/boiling range**	:	202	**°C**
9.6	**Melting point/melting range**	:	-24	**°C**
9.7	**Flashpoint**	:	91	**°C**
9.8	**Auto-ignition point**	:	270	**°C**
9.9	**Explosion limits**	:	1.3/9.5	**vol% (°C)**
9.10	**Vapour pressure (at 20°C)**	:	0.4	**hPa**
9.11	**Relative density (at 20°C)**	:	1.0	
9.12	**Water solubility**	:	COMPLETELY	
9.13	**Soluble in**	:	Ethanol, ether, acetone, aromatic hydrocarbons, chloroform, ethylacetate	
9.14	**Relative vapour density**	:	3.4	
9.15	**Saturation concentration**	:	1.2	**g/m³**
9.16	**Viscosity**	:	0.0017	**Pa.s**

10. Stability and reactivity

10.1 Stability:
- Hygroscopic
- Unstable on exposure to light

10.2 Reactivity/Hazardous decomposition products:
- On heating/burning: release of toxic and corrosive gases/vapours nitrous vapours, carbon monoxide, carbon dioxide
- Reacts exothermically with (some) acids/bases
- Reacts violently with (strong) oxidizers: (increased) risk of fire/explosion
- Oxidizes slowly on exposure to air: peroxidation resulting in increased fire or explosion risk

10.3 Conditions/materials to avoid:
- Heat sources, oxidizing agents, reducing agents, acids, bases

11. Toxicological information

11.1 Acute toxicity:

LD50 oral rat	:	3914	**mg/kg**
LD50 dermal rat	:	7000	**mg/kg**
LD50 dermal rabbit	:	8000	**mg/kg**
LC50 inhalation rat	:	> 5.1	**mg/l/4 h**

11.2 Chronic toxicity:

EC carc. cat.	:	not listed
EC muta. cat.	:	not listed
EC repr. cat.	:	not listed
Carcinogenicity (TLV)	:	not listed
Carcinogenicity (MAC)	:	not listed
Carcinogenicity (VME)	:	not listed
Carcinogenicity (MEL)	:	not listed
Carcinogenicity (MAK)	:	not listed
Mutagenicity (MAK)	:	not listed
Teratogenicity (MAK)	:	C
IARC classification	:	not listed

Obligatory medical control (ARAB-RGPT Art. 124):
group: I number: 23.4

11.3 Routes of exposure: ingestion, inhalation, eyes and skin

11.4 Acute effects/symptoms:

AFTER INHALATION
- Dry/sore throat
- Coughing

AFTER INGESTION
- Practically toxic if swallowed
- Nausea
- Vomiting
- Irritation of the gastric/intestinal mucosa

AFTER SKIN CONTACT
- Substance is absorbed through the skin
- Non-toxic in contact with skin
- Tingling/irritation of the skin

AFTER EYE CONTACT
- Irritation of the eye tissue

11.5 Chronic effects:
- No teratogenic risk at exposure level lower than MAK value

ON CONTINUOUS/REPEATED EXPOSURE/CONTACT:
- Dry skin
- Swelling of the skin
- Tingling/irritation of the skin

12. Ecological information

12.1 Mobility:

- **Volatile organic compounds (VOC):** N.D.
- Slightly volatile
- Soluble in water

12.2 Biodegradation:

- soil:	**T ½**	:	2/15	**days**
	BOD_5	:	1.07	**g O_2/g substance**
	COD	:	1.56	**g O_2/g substance**

- water:
- Readily biodegradable in water
- test: >90% ,OECD 301E

12.3 Bioaccumulation:
- **log P_{ow}** : -0.7/-0.46
- **BCF** : N.D.

12.4 Aquatic toxicity:

- LC50 (96 h) : 3048 mg/l (SALMO GAIRDNERI)
- EC50 (48 h) : 4897 mg/l (DAPHNIA MAGNA)
- EC50 : >500 mg/l (SCENEDESMUS SUBSPICATUS)

12.5 Other information:

- **WGK:** 1 (002)
- **Effect on the ozone layer** : N.D.
- **Waste water purification** : Harmless to activated sludge at low concentration

13. Waste disposal considerations

13.1 Provisions relating to waste:
- Waste code (EC): N.D.
- Waste material code (Flanders): 015/034
- Waste code (Germany): 55370
- KCA (the Netherlands): category III
- BAGA (Netherlands): C.16
- Hazardous waste (91/689/EC)

13.2 Disposal methods:
- Recycle by distillation
- Remove to an authorized waste incinerator for solvents
- Obtain the consent of pollution control authorities before discharging to wastewater treatment plants
- Do not discharge into surface water

14. Transport information

14.1 Proper shipping name: N.A.

14.2 Transport by road/rail (ADR/RID): N.A.
Danger code: -
Danger labels on tanks : -
on packages : -

14.3 Substance identification number (UN number): N.A.
Packing: -

14.4 Maritime transport (IMDG code): N.A.
EMS : -
MFAG : -
Marine pollutant : -

14.5 Inland navigation (ADNR) : N.A.

14.6 Air freight (ICAO) : N.A.
Instruction "passenger" : -
Instruction "cargo" : -

14.7 Other information: not restricted for any mode of international transport

15. Regulatory information

Labelling in accordance with EC directives 67/548/EEC and 1999/45/EEC

Irritant

R36/38 : Irritating to eyes and skin

S(02) : (Keep out of reach of children)
S41 : In case of fire and/or explosion do not breathe fumes
S64 : If swallowed, rinse mouth with water (only if the person is conscious)

16. Other information

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

N.A. = NOT APPLICABLE
N.D. = NOT DETERMINED
***** = INTERNAL CLASSIFICATION

WGK:

001 : Internal classification
002 : Classification in compliance with Verwaltungsvorschrift wassergefahrdender Stoffe (VwVwS) of 17 May 1999
003 : Classification based on R phrases in compliance with Verwaltungsvorschrift wassergefahrdender Stoffe (VwVwS) of 17 May 1999
004 : Classification based on the components in compliance with Verwaltungsvorschrift wassergefahrdender Stoffe (VwVwS) of 17 May 1999

Exposure limits:

TLV : Threshold Limit Value - ACGIH USA 1999
OES : Occupational Exposure Standards - United Kingdom 1999
MEL : Maximum Exposure Limits - United Kingdom 1999
MAK : Maximale Arbeitsplatzkonzentrationen - Germany 1999
TRK : Technische Richtkonzentrationen - Germany 1999
MAC : Maximale aanvaarde concentratie - The Netherlands 2000
VME : Valeurs limites de Moyenne d'Exposition - France 1999
VLE : Valeurs limites d'Exposition à court terme - France 1999
GWBB : Grenswaarde beroepsmatige blootstelling - Belgium 1998
GWK : Grenswaarde kortstondige blootstelling - Belgium 1998

MSDS established : 11-07-2000
Reference number : BIG\13543GB
P/N 400580

Document number : 4328493

Revision date : 01-08-2000
Revision number : A
Reason for revision : Document number

SDS: 0014900
Print Date: 03-Aug-2011
Revision Date: 06-Jul-2011

SAFETY DATA SHEET

Safety Data Sheet according to regulation (EC) No 1907/2006 & 1272/2008 and amendments

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND THE COMPANY/UNDERTAKING

Product Identifier: **PTZ® Phenothiazine (Prill)**
Product Description: Phenothiazine

RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST

Intended/Recommended Use: Process Chemical

DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

Company: Cytec Industries Inc., Five Garret Mountain Plaza, Woodland Park, New Jersey 07424, USA. For Product Information call 1-800/652-6013. Outside the USA and Canada call +1-973/357-3193 or your local Cytec contact point. E-mail: custinfo@cytec.com

Local Contact Information: Cytec Industries Inc. Adenbury Way LL 139UZ Wrexham (UK) +44/1/97.866.5200

EMERGENCY PHONE (24 hours/day) - For emergency involving spill, leak, fire, exposure or accident call:
Asia Pacific:
Australia - +61-3-9663-2130 or 1800-033-111
China (PRC) - +86 10 5100 3039 (Carechem24 China)
New Guinea - +61-3-9663-2130
New Zealand - +61-3-9663-2130 or 0800-734-607
All Others - +65 3158 1074 (Carechem24 Singapore)
Canada: +1-905-356-8310 (Cytec Welland, Canada plant)
Europe/Africa/Middle East (Carechem24 UK):
Europe, Middle East, Africa, Israel - +44 (0) 1235 239 670
Middle East, Africa (Arabic speaking countries) - +44 (0) 1235 239 671
Latin America:
Brazil - 0800 0111 767 (SOS Cotec)
Chile - +56-2-247-3600 (CITUC QUIMICO)
All Others - +52-376-73 74122 (Cytec Atequiza, Mexico plant)
USA: +1-703-527-3887 or 1-800-424-9300 (CHEMTREC #CCN6083)

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2. HAZARDS IDENTIFICATION

CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

Classification according to Regulation (EC) No 1272/2008 and amendments

2. HAZARDS IDENTIFICATION

Acute Toxicity (Oral) Hazard Category 4
Specific Target Organ Toxicity (STOT) - Repeated Exposure Hazard Category 2
Skin Sensitizer Hazard Category 1
Aquatic Environment Chronic Hazard Category 3

Classification according to EU Directives 67/548/EEC or 1999/45/EC
Xn - Harmful

R43 - May cause sensitization by skin contact.
R18A - May form flammable/explosive dust-air mixture.
R22 - Harmful if swallowed.
R48/22 - Harmful: danger of serious damage to health by prolonged exposure if swallowed.
R52/53 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

LABEL ELEMENTS

Signal Word
Warning

Hazard Statements
H302 - Harmful if swallowed.
H373 - May cause damage to organs through prolonged or repeated exposure.
H317 - May cause an allergic skin reaction.
H412 - Harmful to aquatic life with long lasting effects.

Precautionary Statements
Precautionary statements on the label will be reduced as indicated in Regulation (EC) No 1272/2008, Article 28.

P264 - Wash face, hands and any exposed skin thoroughly after handling.
P270 - Do no eat, drink or smoke when using this product.
P260 - Do not breathe dust/fume/gas/mist/vapours/spray.
P272 - Contaminated work clothing should not be allowed out of the workplace.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P273 - Avoid release to the environment.
P301 + P312 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P330 - Rinse mouth.
P314 - Get medical advice/attention if you feel unwell.
P302 + P352 - IF ON SKIN: Wash with plenty of soap and water.
P321 - Specific treatment (see supplemental first aid instructions on this label).
P333 + P313 - If skin irritation or rash occurs: Get medical advice/attention.
P363 - Wash contaminated clothing before reuse.
P501 - Dispose of contents/container in accordance with local and national regulations.

OTHER HAZARDS
May form flammable/explosive dust-air mixture.

RESULTS OF PBT AND vPvB ASSESSMENT
Not determined

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3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance, Mixture or Article? Substance

Component / CAS No.	%	EC-No	REACH Registration Number	Classification	Classification according to Regulation (EC) No 1272/2008 (CLP)
Phenothiazine 92-84-2	~100	202-196-5	Not available	Xn; R22-48/22 R43 R52/53	Acute Tox. 4 (H302) STOT Rep. 2 (H373) Skin Sens 1 (H317) Aquatic Chronic 3 (H412)

See Section 16 for full text of R and H phrases.

4. FIRST AID MEASURES

DESCRIPTION OF FIRST AID MEASURES

Eye Contact:
Rinse immediately with plenty of water for at least 15 minutes. Obtain medical advice if there are persistent symptoms.

Skin Contact:
Wash immediately with plenty of water and soap.

Ingestion:
If swallowed, call a physician immediately. Only induce vomiting at the instruction of a physician. Never give anything by mouth to an unconscious person.

Inhalation:
Remove to fresh air. If breathing is difficult, give oxygen. Obtain medical advice if there are persistent symptoms.

MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

None known

INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDS

Not applicable

5. FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

Suitable Extinguishing Media:
Use water spray or fog, carbon dioxide or dry chemical.

SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

Dust may be explosive if mixed with air in critical proportions and in the presence of a source of ignition.

ADVICE FOR FIREFIGHTERS

Protective Equipment:
Firefighters, and others exposed, wear self-contained breathing apparatus. Wear full firefighting protective clothing. See MSDS Section 8 (Exposure Controls/Personal Protection).

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

6. ACCIDENTAL RELEASE MEASURES

Where exposure level is not known, wear approved, positive pressure, self-contained respirator. Where exposure level is known, wear approved respirator suitable for level of exposure. Refer to Section 8 (Exposure Controls/Personal Protection) for appropriate personal protective equipment.

Environmental Precautions:
Avoid release to the environment.

Methods and material for containment and cleaning up:
Sweep up into containers for disposal. Flush spill area with water.

References to other sections:
See Sections 8 and 13 for additional information.

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7. HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING

Precautionary Measures: Avoid contact with eyes, skin and clothing. Avoid prolonged or repeated contact with skin. Wash thoroughly after handling. Keep container closed. Contains finely divided material. Dust suspended in air may ignite with static discharge, sparks or flame. Equipment, including venting systems, should be grounded.

Special Handling Statements: Maintain good housekeeping to control dust accumulations. DUST EXPLOSION HAZARD CLASS - 2. Handling of material should be in accordance with standards for venting of deflagrations (e.g. NFPA-68). If handled with flammable or combustible materials the explosion hazard may increase.

Conditions for safe storage, including any incompatibilities:
Store containers in a cool, dry environment.

VCI Storage Class: 11

Specific end use(s):
Refer to Section 1 or Exposure Scenario if applicable.

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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

CONTROL PARAMETERS

No values have been established.

Derived No Effect Level (DNEL):

Use	Route	DNEL	Units	Effects Type
Phenothiazine (92-84-2)				
Industrial	Inhalation	1.59	mg/m^3	Short term, systemic
Industrial	Dermal	0.15	mg/kg/day	Long term, systemic
Industrial	Inhalation	0.53	mg/m^3	Long term, systemic
Professional	Inhalation	0.39	mg/m^3	Short term, systemic
Professional	Oral	0.24	mg/kg/day	Short term, systemic
Professional	Dermal	0.08	mg/kg/day	Long term, systemic
Professional	Inhalation	0.13	mg/m^3	Long term, systemic
Professional	Oral	0.08	mg/kg/day	Long term, systemic

Predicted No Effect Concentration (PNEC):

Compartment	PNEC	Units
Phenothiazine (92-84-2)		
Fresh water	0.012	mg/L

Marine water	0.001	mg/L
Intermittent water release	0.119	mg/L
Sediment	0.047	mg/kg
Sewage treatment plant	7.2	mg/L

EXPOSURE CONTROLS

Engineering Measures:
Where this material is not used in a closed system, good enclosure and local exhaust ventilation should be provided to control exposure.

Respiratory Protection:
Where exposures are below the established exposure limit, no respiratory protection is required.
Where exposures exceed the established exposure limit, use respiratory protection recommended for the material and level of exposure.

Eye protection:
Wear eye/face protection such as chemical splash proof goggles or face shield.

Skin Protection:
Avoid skin contact.
Wear impermeable gloves and suitable protective clothing.
Since this product is absorbed through the skin, care must be taken to prevent skin contact and contamination of clothing.

Hand protection:
Wear impermeable gloves. Replace gloves immediately when torn or any change in appearance (dimension, colour, flexibility etc) is noticed. Barrier creams may help to protect the exposed areas of the skin, they should however not be applied once exposure has occurred.

Additional Advice:
Food, beverages, and tobacco products should not be carried, stored, or consumed where this material is in use. Before eating, drinking, or smoking, wash face and hands thoroughly with soap and water.

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9. PHYSICAL AND CHEMICAL PROPERTIES

INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

Colour:	yellow
Appearance:	prills
Odor:	slight
Odor Threshold:	See Section 8 for exposure limits.
pH:	Not available
Melting Point:	183.9 °C
Boiling Point:	371.1 °C
Flash point:	Not applicable
Evaporation Rate:	Not available
Flammable Limits (% By Vol):	Not available
Vapor Pressure:	Not available
Vapour density:	Not available
Specific Gravity/Density:	Not available
Solubility In Water:	Insoluble
Partition coefficient (n-octanol/water):	4.15
Autoignition temperature:	Not available
Decomposition Temperature:	Not available
Viscosity (Kinematic):	Not available
Viscosity (Dynamic):	Not available

OTHER INFORMATION

Fat Solubility (Solvent-Oil):	Not available
Percent Volatile (% by wt.):	Not available
Solids Content:	Not available
Saturation In Air (% By Vol.):	Not available
Acid Number (mg KOH/g):	Not available
Hydroxyl Value (mg KOH/g):	Not available
Volatile Organic Content (1999/13/EC):	<0.5%

10. STABILITY AND REACTIVITY

Reactivity: No information available

CHEMICAL STABILITY

Stability: Stable

Conditions To Avoid: None known

POSSIBILITY OF HAZARDOUS REACTIONS

Polymerization: Will not occur

Conditions To Avoid: None known

Incompatible materials: strong acids

Hazardous Decomposition Products: oxides of carbon
oxides of nitrogen
oxides of sulfur (includes sulfur di and tri oxides)
Ammonia (NH3)

11. TOXICOLOGICAL INFORMATION

INFORMATION ON TOXICOLOGICAL EFFECTS

Likely Routes of Exposure: Oral, Eyes, Skin, Respiratory System.

Acute toxicity - oral: Harmful if swallowed.
Acute toxicity - dermal: Not Classified - Based on available data and/or professional judgment, the classification criteria are not met.
Acute toxicity - inhalation: Not Classified - Based on available data and/or professional judgment, the classification criteria are not met.

Skin corrosion / irritation: Not Classified - Based on available data and/or professional judgment, the classification criteria are not met.
Serious eye damage / eye irritation: Not Classified - Based on available data and/or professional judgment, the classification criteria are not met.

Respiratory sensitization: Not Classified - Based on available data and/or professional judgment, the classification criteria are not met.
Skin sensitization: May cause an allergic skin reaction.

Carcinogenicity: Not Classified. - Based on available data and/or professional judgment, the classification criteria are not met.
Germ cell mutagenicity: Not Classified. - Based on available data and/or professional judgment, the classification criteria are not met.
Reproductive toxicity: Not Classified. - Based on available data and/or professional judgment, the classification criteria are not met.

Specific target organ toxicity (STOT) - single exposure: Not Classified. - Based on available data and/or professional judgment, the classification criteria are not met.
Specific target organ toxicity (STOT) - repeated exposure: May cause damage to organs through prolonged or repeated exposure..
Aspiration hazard: Not Classified. - Based on available data and/or professional judgment, the classification criteria are not met.

PRODUCT TOXICITY INFORMATION

ACUTE TOXICITY DATA

oral	rat	Acute LD50	1370 mg/kg
dermal	rat	Acute LD50	>2000 mg/kg
inhalation	rat	Acute LC50 4 hr	No data

LOCAL EFFECTS ON SKIN AND EYE

Acute Irritation	dermal	Not irritating
Acute Irritation	eye	Not irritating

ALLERGIC SENSITIZATION

Sensitization	Skin	Sensitizing Photosensitizer
Sensitization	respiratory	No data
Oral	dog	SubChronic 3 monthca.6 mg/kg/day Actual

GENOTOXICITY

Assays for Gene Mutations

Ames Salmonella Assay	Not mutagenic	
Mouse Lymphoma Assay	Mixed results	
Rat Micronucleus Assay	rat	Negative

HAZARDOUS INGREDIENT TOXICITY DATA

Phenothiazine has acute oral (rat) toxicity values >=1370 mg/kg. The acute dermal (rat and rabbit) toxicity values are >2000 mg/kg. No irritation was observed in primary skin irritation studies with rabbits and only mild, reversible eye irritation was seen. Overexposure may cause respiratory tract irritation. Phenothiazine may produce photosensitization in humans. The effect may take the form of phototoxicity (essentially an exaggerated sunburn reaction) or photoallergy (a delayed hypersensitivity reaction). In a 13-week oral (dog) study with doses up to and including 2000 ppm, dose-dependent effects on the haematological system were seen. Haemolytic anaemia was one of the main findings. There was a dose-dependent increase in haemoglobin reduction, accompanied with haemosiderinuria in the kidney. Oral teratogenicity studies, both rat (150 mg/kg) and mouse (300 mg/kg), showed no significant effects. Phenothiazine was not mutagenic in the Ames assay but had mixed results in several in vitro mammalian cell assays. An in vivo (rat) micronucleus study was negative. Large ingested doses of phenothiazine can induce the following symptoms: toxic hepatitis, hemolytic anemia associated with abdominal cramps, tachycardia, gastrointestinal irritation, kidney injury, inflamed cornea and itching. Oxidation materials (red tinted) can appear in the urine following ingestion. Inhaled dust can induce the same clinical effects. Contact with phenothiazine can color exposed hair and fingernails.

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12. ECOLOGICAL INFORMATION

TOXICITY, PERSISTENCE AND DEGRADABILITY, BIOACCUMULATIVE POTENTIAL, MOBILITY IN SOIL, OTHER ADVERSE EFFECTS

Aquatic Chronic Toxicity: Harmful to aquatic life with long lasting effects

This material is not readily biodegradable.

ALGAE TEST RESULTS

Test: Growth Inhibition (OECD 201)
Duration: 72 hr
Species: Green Algae (Desmodesmus subspicatus)
>100 mg/l EC50

FISH TEST RESULTS

Test: Acute toxicity, freshwater (OECD 203)
Duration: 96 hr. **Procedure:** Static.
Species: Rainbow Trout (Oncorhyncus mykiss)
70.7 mg/l LC50

INVERTEBRATE TEST RESULTS

Test: Acute Immobilization (OECD 202)
Duration: 48 hr **Procedure:** Static
Species: Water Flea (Daphnia magna)
11.92 mg/l EC50

ACCUMULATION

Test: Bioaccumulation
Procedure: Dietary
exposure, fish
Species: Carp (Cyprinus carpio)
127 - 660 BCF

DEGRADATION

Test: Closed Bottle (OECD 301D)
Duration: 28 day **Procedure:** Ready biodegradability
0 %

RESULTS OF PBT AND vPvB ASSESSMENT

Not determined

HAZARDOUS INGREDIENT TOXICITY DATA

Component / CAS No.	Toxicity to Algae	Toxicity to Fish	Toxicity to Water Flea
Phenothiazine 92-84-2	ErC50 EbC50 >100 mg/l - Green Algae (Desmodesmus subspicatus) (48h)	LC50 70.7 mg/l - Rainbow Trout (Oncorhyncus mykiss) (48h)	EC50 11 92 mg/l - Daphnia magna (48h)

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods
The Company encourages the recycle, recovery and reuse of materials, where permitted. If disposal is necessary, The Company recommends that organic materials, especially when classified as hazardous waste, be disposed of by thermal treatment or incineration at approved facilities. All local and national regulations should be followed.

14. TRANSPORT INFORMATION

This section provides basic shipping classification information. Refer to appropriate transportation regulations for specific requirements

ADR/RID/ADN
Dangerous Goods? Not applicable/Not regulated

IMO
Dangerous Goods? Not applicable/Not regulated

ICAO / IATA
Dangerous Goods? Not applicable/Not regulated

15. REGULATORY INFORMATION

SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS / LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE

Ozone Depleting Substances (Regulation (EC) No 1005/2009): Not applicable
Persistent Organic Pollutants (Regulation (EC) No 850/2004): Not applicable

Water Endangering Class (Germany): 1 Classification on the basis of Annex 3. ID-number 4158

Inventory Information

United States (USA):
All components of this product are included on the TSCA Chemical Inventory or are not required to be listed on the TSCA Chemical Inventory.

Canada:
All components of this product are included on the Domestic Substances List (DSL) or are not required to be listed on the DSL.

Australia: All components of this product are included in the Australian Inventory of Chemical Substances (AICS) or are not required to be listed on AICS.

China: All components of this product are included on the Chinese inventory or are not required to be listed on the Chinese inventory.

Japan: All components of this product are included on the Japanese (ENCS) inventory or are not required to be listed on the Japanese inventory.

Korea: All components of this product are included on the Korean (ECL) inventory or are not required to be listed on the Korean inventory.

Philippines: All components of this product are included on the Philippine (PICCS) inventory or are not required to be listed on the Philippine inventory.

CHEMICAL SAFETY ASSESSMENT
No Chemical Safety Assessment has been carried out.

16. OTHER INFORMATION

Reasons for Issue:
Revised Section 2
Revised Section 3
Revised Section 11
Revised Section 12

Classification methods include one or more of the following: use of specific product data, read-across data, modeling, professional judgment or a component based evaluation.

Component Risk and Hazard Phrases
Phenothiazine

H302 - Harmful if swallowed.
H317 - May cause an allergic skin reaction.
H373 - May cause damage to organs through prolonged or repeated exposure.
H412 - Harmful to aquatic life with long lasting effects.
R22 - Harmful if swallowed.
R43 - May cause sensitization by skin contact.
R48/22 - Harmful: danger of serious damage to health by prolonged exposure if swallowed.
R52/53 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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This information is given without any warranty or representation. We do not assume any legal responsibility for same, nor do we give permission, inducement, or recommendation to practice any patented invention without a license. It is offered solely for your consideration, investigation, and verification. Before using any product, read its label

Attachment 6

BASF Corporation
1609 Biddle Avenue
Wyandotte, MI 48192-3729
Tel (734) 324-6000
www basf com/usa

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 12/8/09 Time Conducted: 9:45 AM / PM

Inspector Signature: John Benjamin

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓

Record last "Start Fill Date" for tanks

D-1053	D-1054	D-1081	D-1082
12-3-09	11-24-09	11-19-09	11-21-09

Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 9.0 psi (Must be between 1 and 7 psi)

Verify the enclosure pressure is in the Green Zone ✓

Report and record below, all malfunctions and deficiencies to Shift Supervisor

COMMENTS

UNCONTROLLED COPY
Printed: Wed Dec 09 06:49:54 EST 2009; Expires: Thu Dec 10 06:49:54 EST 2009
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.4); Owner Name: Boehme, John

[redacted]

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 6-5-10 Time Conducted: 8 AM/PM

Inspector Signature: _____

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓

Record last "Start Fill Date" for tanks

D-1053	D-1054	D-1081	D-1082
5-23	5-27	5-26	5-26

Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 5.3 psi (Must be between 1 and 7 psi)

Verify the enclosure pressure is in the Green Zone ✓

Report and record below, all malfunctions and deficiencies to Shift Supervisor

COMMENTS

UNCONTROLLED COPY
Printed: Sat Jun 05 05:41:23 EDT 2010; Expires: Sun Jun 06 05:41:23 EDT 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.4); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 7-18-10 Time Conducted: 05:30 AM/PM

Inspector Signature: Bob Candell

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓

Record last "Start Fill Date" for tanks

D-1053	D-1054	D-1081	D-1082
6-30	7-2	7-12	7-14

Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 4.6 psi (Must be between 1 and 7 psi)

Verify the enclosure pressure is in the Green Zone ✓

Report and record below, all malfunctions and deficiencies to Shift Supervisor

COMMENTS

UNCONTROLLED COPY
Printed: Sun Jul 18 05:32:27 EDT 2010; Expires: Mon Jul 19 05:32:27 EDT 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.4); Owner Name: Boehme, John

[redacted]

Hazardous Waste Tank Checklist

incorrect DATE this should Be 7/19/10 TW.

Date: 7/18/10 Time Conducted: 0600 AM / PM

Inspector Signature: [signature]

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓

Record last "Start Fill Date" for tanks

D-1053	D-1054	D-1081	D-1082
6/30	7/2	7/14	7/14

Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 4 psi (Must be between 1 and 7 psi)

Verify the enclosure pressure is in the Green Zone ✓

Report and record below, all malfunctions and deficiencies to Shift Supervisor

COMMENTS

UNCONTROLLED COPY ... Expires: Tue Jul 20 05:37:31 EDT 2010 ... Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 10/14/10 Time Conducted: 0900 AM / PM

Inspector Signature: [signature]

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓

Record last "Start Fill Date" for tanks D-1053 D-1054 D-1081 D-1082

10/13/10 ~~[illegible]~~ 10/13/10 10/12/10 9/24/10

Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 8+ psi (Must be between 1 and 7 psi)

Verify the enclosure pressure is in the Green Zone	✓

Report and record below, all malfunctions and deficiencies to Shift Supervisor

COMMENTS

SOME CONDENSATION IN 1053 DIKE

UNCONTROLLED COPY
Printed: Thu Oct 14 06:12:18 EDT 2010; Expires: Fri Oct 15 06:12:18 EDT 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc; Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Incorrect DATE This Should Be 10/15/10 TW.

Date: 10-14-10 Time Conducted: 0600 AM / PM

Inspector Signature:

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓

Record last "Start Fill Date" for tanks

D-1053	D-1054	D-1081	D-1082
10-13	10-13	10-12	9-24

Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 10 psi (Must be between 1 and 7 psi)

Verify the enclosure pressure is in the Green Zone ✓

Report and record below, all malfunctions and deficiencies to Shift Supervisor

COMMENTS

UNCONTROLLED COPY
Printed: Fri Oct 15 05:45:25 EDT 2010; Expires: Sat Oct 16 05:45:25 EDT 2010

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 11-4-10 Time Conducted: 7 AM / PM

Inspector Signature: [signature]

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓

Record last "Start Fill Date" for tanks

D-1053	D-1054	D-1081	D-1082
10-13	10-13	10-12	9-24

Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 9 psi (Must be between 1 and 7 psi)

Verify the enclosure pressure is in the Green Zone ✓

Report and record below, all malfunctions and deficiencies to Shift Supervisor

COMMENTS

UNCONTROLLED COPY
Printed: Thu Nov 04 05:18:27 EDT 2010; Expires: Fri Nov 05 05:18:27 EDT 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc; Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 1-19-11 Time Conducted: 0600 AM / PM

Inspector Signature: _____

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓

Record last "Start Fill Date" for tanks

D-1053	D-1054	D-1081	D-1082
1-9-11	1-18-11	1-11-11	12/29/10

Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 7 psi (Must be between 1 and 7 psi)

Verify the enclosure pressure is in the Green Zone ✓

Report and record below, all malfunctions and deficiencies to Shift Supervisor

COMMENTS

UNCONTROLLED COPY
Printed: Wed Jan 19 05:52:31 EST 2011; Expires: Thu Jan 20 05:52:31 EST 2011
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc; Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 3-8-11 Time Conducted: 05:50 AM / PM

Inspector Signature: Bob Cindy

Inspected all tank outlet valves and fittings for leaks	☑
Inspected containment dikes for corrosion, damage, and/or leaks	☑
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	☑
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	☑
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	☑
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	☑
Record last "Start Fill Date" for tanks D-1053 2-17 D-1054 3-5 D-1081 3-5 D-1082 3-1	
90 Day Waste area is clear of clutter and in compliance	☑
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 7.5 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	☑
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

UNCONTROLLED COPY
Printed: Tue Mar 08 05:36:10 EST 2011; Expires: Wed Mar 09 05:36:10 EST 2011
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc; Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 10/29/11 Time Conducted: 0710 AM / PM

Inspector Signature: [signature]

Inspected all tank inlet/outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, D-1082, and D-4105	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, D-1082, and D-4105 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, D-1082, and D-4105 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for D-1053 10/25, D-1054 10/25, D-1081 10/25, D-1082 10/25, D-4105 10/25	
Inspect 90 day, Hazardous Waste Area for date compliance on: waste labels dated (No longer than 60 days), damage, dents, creases, leaks, closures are in place & tight, labeled correctly including: HAZ waste, DOT diamond and waste code, labels facing out, no residue on drums, ne evidence of spills/releases, clutter and items that are not designated to be there.	✓
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 5 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	✓
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS (Use back if more space required)

UNCONTROLLED COPY
Printed: Sat Oct 29 06:05:19 EDT 2011; Expires: Sun Oct 30 06:05:19 EDT 2011
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc; Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 10/30/11 Time Conducted: 0605 AM / PM

Inspector Signature: Keith Rudy

Inspected all tank inlet/outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, D-1082, and D-4105	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, D-1082, and D-4105 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, D-1082, and D-4105 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for D-1053 10/25/11, D-1054 10/25/11, D-1081 10/25/11, D-1082 10/25/11, D-4105 10/25/11	
Inspect 90 day, Hazardous Waste Area for date compliance on: waste labels dated (No longer than 60 days), damage, dents, creases, leaks, closures are in place & tight, labeled correctly including: HAZ waste, DOT diamond and waste code, labels facing out, no residue on drums, ne evidence of spills/releases, clutter and items that are not designated to be there.	✓
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 5.2 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	✓
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS (Use back if more space required)

UNCONTROLLED COPY
Printed: Sun Oct 30 06:18:04 EDT 2011; Expires: Mon Oct 31 06:18:04 EDT 2011
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc; Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 11-16-11 Time Conducted: 7:15 AM / PM

Inspector Signature: _____

Inspected all tank inlet/outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, D-1082, and D-4105	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, D-1082, and D-4105 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, D-1082, and D-4105 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for D-1053 11-19-11; D-1054 11-11-11; D-1081 10-31-11; D-1082 10-15-11; D-4105 11-15-11	
Inspect 90 day, Hazardous Waste Area for date compliance on: waste labels dated (No longer than 60 days), damage, dents, creases, leaks, closures are in place & tight, labeled correctly including: HAZ waste, DOT diamond and waste code, labels facing out, no residue on drums, ne evidence of spills/releases, clutter and items that are not designated to be there.	✓
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 5 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	✓
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS (Use back if more space required)

UNCONTROLLED COPY
Printed: Wed Nov 16 07:05:41 EST 2011; Expires: Thu Nov 17 07:05:41 EST 2011
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc; Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 11-17-11 Time Conducted: 0620 AM / PM

Inspector Signature: [signature]

Inspected all tank inlet/outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, D-1082, and D-4105	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, D-1082, and D-4105 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, D-1082, and D-4105 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for D-1053 11-19-11 D-1054 11-11-11 D-1081 10-31-11 D-1082 10-15-11 D-4105 11-15-11	
Inspect 90 day, Hazardous Waste Area for date compliance on: waste labels dated (No longer than 60 days), damage, dents, creases, leaks, closures are in place & tight, labeled correctly including: HAZ waste, DOT diamond and waste code, labels facing out, no residue on drums, ne evidence of spills/releases, clutter and items that are not designated to be there.	✓
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 5 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	✓
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS (Use back if more space required)

UNCONTROLLED COPY
Printed: Thu Nov 17 05:57:39 EST 2011; Expires: Fri Nov 18 05:57:39 EST 2011
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc; Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 11-23 Time Conducted: 0700 AM / PM

Inspector Signature: [signature]

Inspected all tank inlet/outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, D-1082, and D-4105	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, D-1082, and D-4105 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, D-1082, and D-4105 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for D-1053 11-22 D-1054 11-22 D-1081 11-21 D-1082 11-21 D-4105 11-22	
Inspect 90 day, Hazardous Waste Area for date compliance on: waste labels dated (No longer than 60 days), damage, dents, creases, leaks, closures are in place & tight, labeled correctly including: HAZ waste, DOT diamond and waste code, labels facing out, no residue on drums, ne evidence of spills/releases, clutter and items that are not designated to be there.	✓
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 5 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	✓
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS (Use back if more space required)

UNCONTROLLED COPY
Printed: Wed Nov 23 06:41:37 EST 2011; Expires: Thu Nov 24 06:41:37 EST 2011
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc; Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 11-24-11 Time Conducted: 0830 AM / PM

Inspector Signature: [signature]

Inspected all tank inlet/outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, D-1082, and D-4105	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, D-1082, and D-4105 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, D-1082, and D-4105 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for D-1053 11-22, D-1054 11-22, D-1081 11-21, D-1082 11-21, D-4105 11-22	
Inspect 90 day, Hazardous Waste Area for date compliance on: waste labels dated (No longer than 60 days), damage, dents, creases, leaks, closures are in place & tight, labeled correctly including: HAZ waste, DOT diamond and waste code, labels facing out, no residue on drums, ne evidence of spills/releases, clutter and items that are not designated to be there.	✓
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 5 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	✓
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS (Use back if more space required)

UNCONTROLLED COPY
Printed: Thu Nov 24 08:01:52 EST 2011; Expires: Fri Nov 25 08:01:52 EST 2011
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc; Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 1/26/12 Time Conducted: 7:30 AM / PM

Inspector Signature: BARILL

Inspected all tank inlet/outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, D-1082, and D-4105	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, D-1082, and D-4105 using the DCS	✓ JWS
Verified tanks D-1053, D-1054, D-1081, D-1082, and D-4105 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for D-1053 1/20, D-1054 1/20, D-1081 12/15, D-1082 1/9, D-4105 1/20	
Inspect 90 day, Hazardous Waste Area for date compliance on: waste labels dated (No longer than 60 days), damage, dents, creases, leaks, closures are in place & tight, labeled correctly including: HAZ waste, DOT diamond and waste code, labels facing out, no residue on drums, ne evidence of spills/releases, clutter and items that are not designated to be there.	✓
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 5 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	✓
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS (Use back if more space required)

UNCONTROLLED COPY
Printed: Thu Jan 26 07:11:46 EST 2012; Expires: Fri Jan 27 07:11:46 EST 2012
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc; Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 3-14-12 Time Conducted: 0700 AM / PM

Inspector Signature: [signature]

Inspected all tank inlet/outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, D-1082, and D-4105	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, D-1082, and D-4105 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, D-1082, and D-4105 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for D-1053 3-12 D-1054 3-2 D-1081 3-12 D-1082 3-5 D-4105 3-2	
Inspect 90 day, Hazardous Waste Area for date compliance on: waste labels dated (No longer than 60 days), damage, dents, creases, leaks, closures are in place & tight, labeled correctly including: HAZ waste, DOT diamond and waste code, labels facing out, no residue on drums, ne evidence of spills/releases, clutter and items that are not designated to be there.	✓ 100-HAZ WASTE-DRUMS
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 6 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	✓

Report and record below, all malfunctions and deficiencies to Shift Supervisor

COMMENTS (Use back if more space required)

UNCONTROLLED COPY
Printed: Wed Mar 14 06:05:17 EDT 2012; Expires: Thu Mar 15 06:05:17 EDT 2012
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc; Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 3-20-12 Time Conducted: 6 AM/PM

Inspector Signature: J Simpson

Inspected all tank inlet/outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, D-1082, and D-4105	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, D-1082, and D-4105 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, D-1082, and D-4105 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for D-1053 3/18/12, D-1054 3/2/12, D-1081 3/19/12, D-1082 3/19/12, D-4105 3/2/12	
Inspect 90 day, Hazardous Waste Area for date compliance on: waste labels dated (No longer than 60 days), damage, dents, creases, leaks, closures are in place & tight, labeled correctly including: HAZ waste, DOT diamond and waste code, labels facing out, no residue on drums, ne evidence of spills/releases, clutter and items that are not designated to be there.	✓
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 0 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	✓
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS (Use back if more space required)

UNCONTROLLED COPY
Printed: Tue Mar 20 06:03:34 EDT 2012; Expires: Wed Mar 21 06:03:34 EDT 2012
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc; Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 3-24-12 Time Conducted: 0845 AM / PM

Inspector Signature: [signature]

Inspected all tank inlet/outlet valves and fittings for leaks	☒
Inspected containment dikes for corrosion, damage, and/or leaks	☒
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	☒
Inspected D-1053, D-1054, D-1081, D-1082, and D-4105	☒
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, D-1082, and D-4105 using the DCS	☒
Verified tanks D-1053, D-1054, D-1081, D-1082, and D-4105 have been completely emptied in the last 90 days	☒
Record last "Start Fill Date" for D-1053 3-14-12 D-1054 3-2-12 D-1081 3-19-12 D-1082 3-19-12 D-4105 3-2-12	
Inspect 90 day, Hazardous Waste Area for date compliance on: waste labels dated (No longer than 60 days), damage, dents, creases, leaks, closures are in place & tight, labeled correctly including: HAZ waste, DOT diamond and waste code, labels facing out, no residue on drums, ne evidence of spills/releases, clutter and items that are not designated to be there.	☒
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 5.4 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	☒
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS (Use back if more space required)

UNCONTROLLED COPY
Printed: Sat Mar 24 06:32:07 EDT 2012; Expires: Sun Mar 25 06:32:07 EDT 2012
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc; Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 4-16-12 Time Conducted: 6:3 (AM) / PM

Inspector Signature: James Simpson

Inspected all tank inlet/outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, D-1082, and D-4105	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, D-1082, and D-4105 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, D-1082, and D-4105 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for D-1053 4-15 D-1054 4-4 D-1081 ___ D-1082 ___ D-4105 4-14	
Inspect 90 day, Hazardous Waste Area for date compliance on: waste labels dated (No longer than 60 days), damage, dents, creases, leaks, closures are in place & tight, labeled correctly including: HAZ waste, DOT diamond and waste code, labels facing out, no residue on drums, ne evidence of spills/releases, clutter and items that are not designated to be there.	✓
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 6 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	✓
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS (Use back if more space required)

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 4-18-12 Time Conducted: 8 AM / PM

Inspector Signature: James Simpson

Inspected all tank inlet/outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, D-1082, and D-4105	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, D-1082, and D-4105 using the DCS	
Verified tanks D-1053, D-1054, D-1081, D-1082, and D-4105 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for D-1053 4-15 D-1054 4-4 D-1081 4-9 D-1082 4-12 D-4105 4-14	
Inspect 90 day; Hazardous Waste Area for date compliance on: waste labels dated (No longer than 60 days), damage, dents, creases, leaks, closures are in place & tight, labeled correctly including: HAZ waste, DOT diamond and waste code, labels facing out, no residue on drums, ne evidence of spills/releases, clutter and items that are not designated to be there.	✓
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 0 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	✓
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS (Use back if more space required)

UNCONTROLLED COPY
Printed: Wed Apr 18 05:54:10 EDT 2012; Expires: Thu Apr 19 05:54:10 EDT 2012
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc; Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 5/11/2012 Time Conducted: 0705 AM / PM

Inspector Signature: [signature]

Inspected all tank inlet/outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, D-1082, and D-4105	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, D-1082, and D-4105 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, D-1082, and D-4105 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for D-1053 5/6/12 D-1054 5/6/12 D-1081 5/10/12 D-1082 4/30/12 D-4105 5/10/12	
Inspect 90 day, Hazardous Waste Area for date compliance on: waste labels dated (No longer than 60 days), damage, dents, creases, leaks, closures are in place & tight, labeled correctly including: HAZ waste, DOT diamond and waste code, labels facing out, no residue on drums, ne evidence of spills/releases, clutter and items that are not designated to be there.	✓
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 6 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	✓

Report and record below, all malfunctions and deficiencies to Shift Supervisor

COMMENTS (Use back if more space required)

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Printed: Fri May 11 06:59:29 EDT 2012; Expires: Sat May 12 06:59:29 EDT 2012
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc; Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 5-17-12 Time Conducted: 0630 AM / PM

Inspector Signature: [signature]

Inspected all tank inlet/outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✗
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, D-1082, and D-4105	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, D-1082, and D-4105 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, D-1082, and D-4105 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for D-1053 5-15, D-1054 5-6, D-1081 ~~5-11~~ 5-14, D-1082 4-30, D-4105 5-11	
Inspect 90 day, Hazardous Waste Area for date compliance on: waste labels dated (No longer than 60 days), damage, dents, creases, leaks, closures are in place & tight, labeled correctly including: HAZ waste, DOT diamond and waste code, labels facing out, no residue on drums, ne evidence of spills/releases, clutter and items that are not designated to be there.	✓
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 6 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	✓
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS (Use back if more space required)

Possible Agitator seal leak on TD-4105

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Printed: Thu May 17 05:58:20 EDT 2012; Expires: Fri May 18 05:58:20 EDT 2012
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc; Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 6-4-12 Time Conducted: 0615 AM / PM

Inspector Signature: [signature]

Inspected all tank inlet/outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, D-1082, and D-4105	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, D-1082, and D-4105 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, D-1082, and D-4105 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for D-1053 5-29, D-1054 5-30, D-1081 5-28, D-1082 5-31, D-4105 5-30	
Inspect 90 day, Hazardous Waste Area for date compliance on: waste labels dated (No longer than 60 days), damage, dents, creases, leaks, closures are in place & tight, labeled correctly including: HAZ waste, DOT diamond and waste code, labels facing out, no residue on drums, ne evidence of spills/releases, clutter and items that are not designated to be there.	✓
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 2 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	✓

Report and record below, all malfunctions and deficiencies to Shift Supervisor

COMMENTS (Use back if more space required)

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Printed: Mon Jun 04 05:52:20 EDT 2012; Expires: Tue Jun 05 05:52:20 EDT 2012
Hazardous Waste Tanks Checklist.doc; Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 6/10/12 Time Conducted: 620 (AM) / PM

Inspector Signature: David Roby

Inspected all tank inlet/outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, D-1082, and D-4105	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, D-1082, and D-4105 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, D-1082, and D-4105 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for D-1053 5-29, D-1054 5-30, D-1081 6-4, D-1082 6-7, D-4105 5-30	
Inspect 90 day, Hazardous Waste Area for date compliance on: waste labels dated (No longer than 60 days), damage, dents, creases, leaks, closures are in place & tight, labeled correctly including: HAZ waste, DOT diamond and waste code, labels facing out, no residue on drums, ne evidence of spills/releases, clutter and items that are not designated to be there.	✓
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 5 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	✓
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS (Use back if more space required)

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Printed: Sun Jun 10 06:21:02 EDT 2012; Expires: Mon Jun 11 06:21:02 EDT 2012

Attachement 7

BASF Corporation
1609 Biddle Avenue
Wyandotte, MI 48192-3729
Tel. (734) 324-6000
www.basf.com/usa

PURPOSE

This procedure provides instruction for performing the walk-around checks of the SGO trains

RELATED DOCUMENTS

Low Pressure Seal Systems, Adding Fluid	WYR-SOP-9000-503
MEHQ Inhibitor, Preparing	WYR-SOP-1000-302
SGO Belt Flaker Belt, Changing	WYR-SOP-1000-406
SGO Reactor Seal, Filling Seal Pot	WYR-SOP-1000-516
SGO Walk-around Checklist	Appendix A of this SOP

SAFETY

Potential hazards from this procedure

Hazard	Magnitude and Source
Chemical Exposure	N/A
Ergonomic	N/A
Pressure release/spray	N/A
Thermal	N/A
Other	N/A

NOTE: This checklist must be performed twice per shift. Report all discrepancies to the shift supervisor

NOTE: Print and use Appendix A of this SOP when performing this checklist.

PROCEDURE

1.0 4th floor

1.1 Record level in hot oil expansion tank

1.2 Verify scale tank agitator seals are between 1 – 2.5 bars on gauge

1.3 Verify there are no leaks

1.4 Verify there is a clear path between the Restab unit and the Scale Tank disconnects

1.5 Verify the electric panel enclosure pressure is in the "Safe Zone"

1.6 Verify area is clean and free of debris

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File Name: SOP-1000-514 SGO Process Operations Checklist.doc; Owner Name: Boehme, John

2.0 3rd floor

2.1 Verify WFEs are running smoothly and free of unusual noise, heat, and leaks

2.2 Verify feed tank agitator seals are between 1 – 2.5 bars

2.3 Verify there are no leaks

2.4 Verify Reactor agitator seals are filled with Carbitol

2.5 Verify Reactor agitator seals are pressurized to 525 psig

2.6 Verify Reactor agitator seals are cool to the touch

2.7 Verify there is a clear path between the Restab unit and the Scale Tank disconnects

2.8 Verify both electric panel enclosure pressures are in the "Safe Zone"

2.9 Verify area is clean and free of debris

3.0 2nd floor process area

3.1 Verify WFE agitator seal pots are filled with Carbitol and pressurized. Refer to "SGO Reactor Seal, Filling Seal Pot" if more Carbitol is needed.

3.2 Verify P-1X03 seal pots are filled with carbitol and pressurized

3.3 Verify P-1X03 seals cooling water is cool to the touch

3.4 Verify vacuum pump seal pots are filled with Carbitol

3.5 Verify vacuum pump seal pots have < 7psig N_2

3.6 Refill, if necessary, the WFE, P-1x03, and vacuum pump seal pots with Carbitol per "Low Pressure Seal Systems, Adding Fluid"

3.7 Verify level in inhibitor tank is sufficient. Refill tank per "MEHQ Inhibitor, Preparing" if it is below 1 inch in the level indicator

3.8 Verify all filter housings are not leaking

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3.9 Verify the area is clean and free of debris

3.10 Verify all electric panel enclosure pressures are in the "Safe Zone"

4.0 2nd floor oil room

4.1 Verify the oil pumps are running smoothly and free of unusual noise, heat, and leaks

4.2 Verify the area is clean and free of debris

5.0 1st floor process

5.1 Verify there is a clean spare spreader bar for each train

5.2 Check the level in the dust collector bulk bag

5.3 Verify the electric panel enclosures pressure are in the "Safe Zone"

5.4 Check all dike walls for cracks, and leaks

5.5 Verify there is no liquid inside all dikes

5.6 Verify waste water sump is not overflowing

5.7 Check the flaker blades for buildup. If changing is required, refer to "SGO Belt Flaker Blade, Changing"

5.8 Check for buildup on squeegees. (Needed to make sure water is removed from belt)

5.9 Verify cooling nozzles are spraying the belts

5.10 Check pressure on the Flaker Belt cooling water filters

5.11 Verify all electric panel enclosure pressures are in the "Safe Zone"

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6.0 1st floor oil room

6.1 Verify the oil pumps are running smoothly, and free of unusual noise, heat, and leaks

6.2 Verify the area is clean and free of debris

6.3 Hand valve for oil drain on sump tank is closed

7.0 General

7.1 Verify gas cylinders are full and properly tagged

7.2 Verify peroxide tank levels are sufficient

7.3 Verify general area is clean and free of debris

7.4 Verify light outside of Peroxide "Blockhouse" is working (Nights only)

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File Name: SOP-1000-514 SGO Process Operations Checklist.doc; Owner Name: Boehme, John

Appendix A

SGO Process Operation Checklist

Date:_____

4th Floor

Reading time of the day _____ _____ _____ _____

Hot Oil Expansion Tank (Record once per day) _____%

Scale Tank agitator seals are between 1 – 2.5 bars	☐	☐	☐	☐
There are no leaks	☐	☐	☐	☐
There is a clear path between the Restab unit and the Scale Tank disconnects	☐	☐	☐	☐
The electric panel enclosure pressure is in the "Safe Zone"	☐	☐	☐	☐
Area is clean and free of debris	☐	☐	☐	☐
Phone in hallway is working	☐	☐	☐	☐

NOTES

3rd Floor

WFEs are running smoothly and free of unusual noise, heat, and leaks	☐	☐	☐	☐
Feed Tank agitator seals are between 1 – 2.5 bars	☐	☐	☐	☐
There are no leaks	☐	☐	☐	☐

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3rd Floor cont

Reactor agitator seals are filled with Carbitol and pressurized	☐	☐	☐	☐
Reactor agitator seals are cool to the touch	☐	☐	☐	☐
Electric panel enclosures are in the "Safe Zone"	☐	☐	☐	☐
Area is clean and free of debris	☐	☐	☐	☐
Phone in hallway is working	☐	☐	☐	☐

NOTES

2nd Floor

WFE agitator seal pots are filled with Carbitol and pressurized	☐	☐	☐	☐
P-1X03 seal pots are filled with Carbitol	☐	☐	☐	☐
P-1X03 seals cooling water are cool to the touch	☐	☐	☐	☐
Vacuum pump seal pots are filled with Carbitol	☐	☐	☐	☐
Vacuum pump seal pots have < 7 psig of N_2	☐	☐	☐	☐
Level in Inches of inhibitor in D-1004	___	___	___	___
All filter housings are not leaking	☐	☐	☐	☐
Blend Tank agitator seal pots are filled with Carbitol and pressurized	☐	☐	☐	☐
Flaker Hopper room electrical panel enclosures have pressure in the "Safe Zone"	☐	☐	☐	☐

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2nd Floor cont

D-1X05 dikes are not cracked or leaking and there is no liquid in them	☐	☐	☐	☐
Electric panel enclosures are in the "Safe Zone"	☐	☐	☐	☐
Area is clean and free of debris	☐	☐	☐	☐

2nd Floor Oil Room

Oil pumps are running smoothly and free of unusual noise, heat, and leaks	☐	☐	☐	☐
Area is clean and free of debris	☐	☐	☐	☐

NOTES

1st Floor

Verify clean spare spreader bars for each train	☐	☐	☐	☐
Check level in dust collector bag	☐	☐	☐	☐
Electric panel enclosure pressures are in the "Safe Zone"	☐	☐	☐	☐
Check dike walls for cracks, and leaks	☐	☐	☐	☐
No liquid inside dikes	☐	☐	☐	☐
Water sump is not overflowing	☐	☐	☐	☐
No buildup on Flaker blades	☐	☐	☐	☐
Cooling nozzles are spraying on belt	☐	☐	☐	☐
No flake buildup on squeegees	☐	☐	☐	☐

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1st Floor cont

Gas cylinders are full and properly tagged	☐	☐	☐	☐
Pressure on the Flaker Belt cooling water filters is ok	☐	☐	☐	☐
All electric panel enclosure pressures are in the "Safe Zone"	☐	☐	☐	☐
Peroxide tank levels are sufficient	☐	☐	☐	☐
General area is clean and free of debris	☐	☐	☐	☐
Light on Peroxide building works				☐

1st Floor Oil Room

Oil pumps are running smoothly and free of unusual noise, heat, and leaks	☐	☐	☐	☐
Area is clean and free of debris	☐	☐	☐	☐
Hand valve for oil drain on sump tank is closed	☐	☐	☐	☐

NOTES

Operator Initials	___	___	___	___

Hazardous Waste Tank Checklist, "SOP-1000-605" has been performed **Time** _____

Report all NOTES from this checklist to the Shift Supervisor for action

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File Name: SOP-1000-514 SGO Process Operations Checklist.doc; Owner Name: Boehme, John

BASF The Chemical Company WYR Procedure Wyandotte	**Title**: Hazardous Waste Tanks and Areas Daily Checklist	
	Function: WYR Standard Operating Procedure	
	No.: WYR-SOP-1000-605	**Page**: 1 of 3
Author: Oper. Tech.	**Owner:** Prod. Manager	**Approver:** Oper. Director
Rev: 6	**Active:** 09/22/2012	**Supersedes:** 5

PURPOSE

This procedure provides instruction for performing the daily inspection of the Hazardous Waste tanks in the SGO area.

RELATED DOCUMENTS

Hazardous Waste Tank Operation	WYR-PSM-1000-001
Hazardous Waste Tank Consequences of Deviation	WYR-PSM-1000-101
SGO Scale Tank Emptying to Waste Tank	WYR-SOP-1000-100
SGO Reactor Emptying to Waste Tank	WYR-SOP-1000-200
Hazardous Waste Tanks Emptying	WYR-SOP-1000-600
Hydroxyl and Acid Process Waste Tanks, Emptying	WYR-SOP-1000-601
Hazardous Waste Tanks, Unloading Waste Containers To	WYR-SOP-1000-602
Hazardous Waste Tanks, Transferring Between	WYR-SOP-1000-603

SAFETY

Potential hazards from this procedure

Hazard	Magnitude and Source
Chemical Exposure	N/A
Ergonomic	N/A
Pressure release/spray	N/A
Thermal	N/A
Other	N/A

NOTE: Environmental regulations limit the amount of time that hazardous waste may be stored on site to less than 90 days. Failure to properly manage hazardous waste can result in significant civil and criminal penalties.

NOTE: This procedure applies to the following Hazardous Waste Tanks: D-1053, D-1054, D-1081, D-1082, D-4105 Also the Dust Collector

PROCEDURE

1.0 Inspect Hazardous Waste Tanks

1.1 Inspect all tank inlet/outlet valves and fittings for leaks

1.2 Inspect containment dikes for corrosion, damage, and/or leaks

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1.3 Inspect all containment areas for cleanliness (I.E. trash, water, etc...)

1.4 Verify tanks D-1053, D-1054, D-1081, D-1082, and D-4105 have been completely emptied in the last 90 days

1.5 Record last "Start Fill Date" for tanks D-1053, D-1054, D-1081, D-1082, and D-4105

1.6 Inspect 90 day, Hazardous Waste Area for date compliance on: waste labels dated (No longer than 60 days), damage, dents, creases, leaks, closures are in place & tight, labeled correctly including: HAZ waste, DOT diamond and waste code, labels facing out, no residue on drums, ne evidence of spills/releases, clutter and items that are not designated to be there.

1.7 Check Dust Collector for room in the bag hanging and record figure on the Photohelix _____ (Must be between 1 and 7 psi)

1.8 Verify the enclosure pressure is in the Green Zone

1.9 Fill out Appendix A Daily Hazardous Waste Tank Inspection Record

NOTE: All Hazardous tanks must be pumped **EMPTY** and verified every 90 days.

2.0 Test high level alarms

2.1 Test high level alarms on tanks D-1053, D-1054, D-1081, D-1082, and D-4105

3.0 File checklist

3.1 File Appendix A appropriately

REVISION HISTORY

Date	Rev No.	Reason for Revision	Initials
10/23/09	1	New	JDB
10/31/09	2	Added dust collector to checklist	JDB
2/10/11	3	Added new waste area (step 1.6)	JDB
3/17/11	4	Expanded inspection on 90 day storage area	JDB
5/22/11	5	Added D-4105 to checklist and updated title	JDB
9/22/12	6	Annual Review	JDB

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File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc; Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: _____ Time Conducted: _____AM / PM

Inspector Signature: _____

- Inspected all tank inlet/outlet valves and fittings for leaks ☐
- Inspected containment dikes for corrosion, damage, and/or leaks ☐
- Inspected all containment areas for cleanliness (I.E. trash, water, etc...) ☐
- Inspected D-1053, D-1054, D-1081, D-1082, and D-4105 ☐
- Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, D-1082, and D-4105 using the DCS ☐
- Verified tanks D-1053, D-1054, D-1081, D-1082, and D-4105 have been completely emptied in the last 90 days ☐
- Record last "Start Fill Date" for D-1053 D-1054 D-1081 D-1082 D-4105
  _____ _____ _____ _____ _____
- Inspect 90 day, Hazardous Waste Area for date compliance on: waste labels dated (No longer than 60 days), damage, dents, creases, leaks, closures are in place & tight, labeled correctly including: HAZ waste, DOT diamond and waste code, labels facing out, no residue on drums, ne evidence of spills/releases, clutter and items that are not designated to be there. ☐
- Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix _____psi (Must be between 1 and 7 psi)
- Verify the enclosure pressure is in the Green Zone ☐
- Report and record below, all malfunctions and deficiencies to Shift Supervisor

COMMENTS (Use back if more space required)

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File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc; Owner Name: Boehme, John

Appendix A

SGO Process Operation Checklist

Date: 1/4/2011

4th Floor

Reading time of the day	0610	1330	2000	0100
Hot Oil Expansion Tank (Record once per day)	55 %			
Scale Tank agitator seals are between 5 – 7 bars	✓	✓	✓	✓
There are no leaks	✓	✓	✓	✓
There is a clear path between the Restab unit and the Scale Tank disconnects	✓	✓	✓	✓
The electric panel enclosure pressure is in the "Safe Zone"	✓	✓	✓	✓
Area is clean and free of debris	✓	✓	✓	✓
Phone in hallway is working	✓	✓	✓	✓

NOTES

3rd Floor

WFEs are running smoothly and free of unusual noise, heat, and leaks	✓	✓	✓	✓
Feed Tank agitator seals are between 5 – 7 bars	✓	✓	✓	✓
There are no leaks	✓	✓	✓	✓

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3rd Floor cont

Reactor agitator seals are filled with Carbitol and pressurized	✓	✓	✓	✓
Reactor agitator seals are cool to the touch	✓	✓	✓	✓
Electric panel enclosures are in the "Safe Zone"	✓	✓	✓	✓
Area is clean and free of debris	✓	✓	✓	✓
Phone in hallway is working	✓	✓	✓	✓

NOTES

E-4112 B Leaking
A-1301 Squeaking

2nd Floor

WFE agitator seal pots are filled with Carbitol and pressurized	✓	✓	✓	✓
P-1X03 seal pots are filled with Carbitol	✓	✓	✓	✓
P-1X03 seals cooling water are cool to the touch	✓	✓	✓	✓
Vacuum pump seal pots are filled with Carbitol	✓	✓	✓	✓
Vacuum pump seal pots have < 7 psig of N_2	✓	✓	✓	✓
Level in inches of inhibitor in D-1004	—	24	24"	24"
All filter housings are not leaking	✓	✓	✓	✓
Blend Tank agitator seal pots are filled with Carbitol and pressurized	✓	✓	✓	✓
Flaker Hopper room electrical panel enclosures have pressure in the "Safe Zone"	✓	✓	✓	✓

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2nd Floor cont

D-1X05 dikes are not cracked or leaking and there is no liquid in them	✓	✓	✓	✓
Electric panel enclosures are in the "Safe Zone"	✓	✓	✓	✓
Area is clean and free of debris	✓	✓	✓	✓

2nd Floor Oil Room

Oil pumps are running smoothly and free of unusual noise, heat, and leaks	✓	✓	✓	✓
Area is clean and free of debris	✓	✓	✓	✓

NOTES

P-1110 LEAKING
P-1204 CHATTERING / SOUNDS LIKE A CHECK VALVE.

1st Floor

Check level in dust collector bag	✓	✓	✓	✓
Electric panel enclosure pressures are in the "Safe Zone"	✓	✓	✓	✓
Check dike walls for cracks, and leaks	✓	✓	✓	✓
No liquid inside dikes	✓	✓	✓	✓
Water sump is not overflowing	✓	✓	✓	✓
No buildup on Flaker blades	✓	✓	✓	✓
Cooling nozzles are spraying on belt	✓	✓	✓	✓
No flake buildup on squeegees	✓	✓	✓	✓

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1st Floor cont

Gas cylinders are full and properly tagged	✓	✓	✓	✓
Pressure on the Flaker Belt cooling water filters is ok	✓	✓	✓	✓
All electric panel enclosure pressures are in the "Safe Zone"	✓	✓	✓	✓
Peroxide tank levels are sufficient	685 ✓	✓	✓	✓
General area is clean and free of debris		✓	✓	✓

1st Floor Oil Room

Oil pumps are running smoothly and free of unusual noise, heat, and leaks	✓	✓	✓	✓
Area is clean and free of debris	✓	✓	✓	✓

NOTES

Operator Initials [illegible] [illegible] [illegible] [illegible]

Hazardous Waste Tank Checklist, "SOP-1000-605" has been performed **Time** 0615

Report all NOTES from this checklist to the Shift Supervisor for action

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Appendix A

SGO Process Operation Checklist

Date: 7-6-11

4th Floor

Reading time of the day	0640	1337	1900	0140
Hot Oil Expansion Tank (Record once per day)	40 %			
Scale Tank agitator seals are between 5 – 7 bars	✓	✓	✓	✓
There are no leaks	*	✓	✓	✓
There is a clear path between the Restab unit and the Scale Tank disconnects	✓	✓	✓	✓
The electric panel enclosure pressure is in the "Safe Zone"	✓	✓	✓	✓
Area is clean and free of debris	✓	✓	✓	✓
Phone in hallway is working	✓	✓	✓	✓

NOTES

* Pressure relief at R-4102A

3rd Floor

WFEs are running smoothly and free of unusual noise, heat, and leaks	✓	✓	✓	✓
Feed Tank agitator seals are between 5 – 7 bars	*	✓	✓	✓
There are no leaks	✓	✓	✓	✓

3rd Floor cont

Reactor agitator seals are filled with Carbitol and pressurized	✓	✓	✓	✓
Reactor agitator seals are cool to the touch	✓	✓	✓	✓
Electric panel enclosures are in the "Safe Zone"	✓	✓	✓	✓
Area is clean and free of debris	✓	✓	✓	✓
Phone in hallway is working	✓	✓	✓	✓

NOTES

* A-1101, A-1201, A-1301 ALL BELOW 5 BARS.

2nd Floor

WFE agitator seal pots are filled with Carbitol and pressurized	✓	✓	✓	✓
P-1X03 seal pots are filled with Carbitol	✓	✓	✓	✓
P-1X03 seals cooling water are cool to the touch	✓	✓	✓	✓
Vacuum pump seal pots are filled with Carbitol	✓	✓	✓	✓
Vacuum pump seal pots have < 7 psig of N_2	✓	✓	✓	✓
Level in Inches of inhibitor in D-1004	14.5	14.5	14.5	14.5
All filter housings are not leaking	✓	✓	✓	✓
Blend Tank agitator seal pots are filled with Carbitol and pressurized	✓	✓	✓	✓
Flaker Hopper room electrical panel enclosures have pressure in the "Safe Zone"	✓	✓	✓	✓

CONDENSATE DRIP UNDER 1300 VAC SYSTEM. ONLY H2O.

2nd Floor cont

D-1X05 dikes are not cracked or leaking and there is no liquid in them	✓	✓		
Electric panel enclosures are in the "Safe Zone"	✓	✓		
Area is clean and free of debris	✓			

2nd Floor Oil Room

Oil pumps are running smoothly and free of unusual noise, heat, and leaks	✓	✓		
Area is clean and free of debris	✓			

NOTES

1st Floor

Check level in dust collector bag	✓	✓		
Electric panel enclosure pressures are in the "Safe Zone"	✓			
Check dike walls for cracks, and leaks	✓	✓		
No liquid inside dikes	✓	✓		
Water sump is not overflowing	✓	✓		
No buildup on Flaker blades	✓	✓	✓	
Cooling nozzles are spraying on belt	✓	✓		
No flake buildup on squeegees	✓	✓		

1st Floor cont

Gas cylinders are full and properly tagged	✓	✓	✓	✓
Pressure on the Flaker Belt cooling water filters is ok	✓	✓	✓	✓
All electric panel enclosure pressures are in the "Safe Zone"	✓	✓	✓	✓
Peroxide tank levels are sufficient		✓	✓	✓
General area is clean and free of debris	✓	✓	✓	✓

1st Floor Oil Room

Oil pumps are running smoothly and free of unusual noise, heat, and leaks	✓	✓	✓	✓
Area is clean and free of debris	✓		✓	✓

NOTES

Operator Initials

Hazardous Waste Tank Checklist, "SOP-1000-605" has been performed — **Time** 00:30

Report all NOTES from this checklist to the Shift Supervisor for action

Appendix A

SGO Process Operation Checklist

Date: 1-6-2012

4th Floor

Reading time of the day	06:00	1200	1845	0330
Hot Oil Expansion Tank (Record once per day)	40 %			
Scale Tank agitator seals are between 1 – 2.5 bars	✓	✓	✓	✓
There are no leaks	✓	✓	✓	✓
There is a clear path between the Restab unit and the Scale Tank disconnects	✓	✓	✓	✓
The electric panel enclosure pressure is in the "Safe Zone"	✓	✓	✓	✓
Area is clean and free of debris	✓	✓	✓	✓
Phone in hallway is working	✓	✓	✓	✓

NOTES

3rd Floor

WFEs are running smoothly and free of unusual noise, heat, and leaks	✓	✓	✓	✓
Feed Tank agitator seals are between 1 – 2.5 bars	✓	✓	✓	✓
There are no leaks	✓	✓	✓	✓

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3rd Floor cont

Reactor agitator seals are filled with Carbitol and pressurized	✓	✓	✓	✓
Reactor agitator seals are cool to the touch	✓	✓	✓	✓
Electric panel enclosures are in the "Safe Zone"	✓	✓	✓	✓
Area is clean and free of debris	✓	✓	✓	✓
Phone in hallway is working	✓	✓	✓	✓

NOTES

2nd Floor

WFE agitator seal pots are filled with Carbitol and pressurized	✓	✓	✓	✓
P-1X03 seal pots are filled with Carbitol	✓	✓	✓	✓
P-1X03 seals cooling water are cool to the touch	✓	✓	✓	✓
Vacuum pump seal pots are filled with Carbitol	✓	✓	✓	✓
Vacuum pump seal pots have < 7 psig of N_2	✓	✓	✓	✓
Level in inches of inhibitor in D-1004	18"	16	15	15
All filter housings are not leaking	✓	✓	✓	✓
Blend Tank agitator seal pots are filled with Carbitol and pressurized	✓	✓	✓	✓
Flaker Hopper room electrical panel enclosures have pressure in the "Safe Zone"	✓	✓	✓	✓

1300 monomer Filter leak

4104 FILTER HOUSING LEAK

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2nd Floor cont

D-1X05 dikes are not cracked or leaking and there is no liquid in them	✓	✓	✓	✓
Electric panel enclosures are in the "Safe Zone"	✓	✓	✓	✓
Area is clean and free of debris	✓	✓	✓	✓

2nd Floor Oil Room

Oil pumps are running smoothly and free of unusual noise, heat, and leaks	✓	✗	✗	✗
Area is clean and free of debris	✓	✓	✓	✓

NOTES

SGO
P-1308 leak

1st Floor

Check level in dust collector bag	✓	✓	✓	✓
Electric panel enclosure pressures are in the "Safe Zone"	✓	✓	✓	✓
Check dike walls for cracks, and leaks	✓	✓	✓	✓
No liquid inside dikes	✓	✓	✓	✓
Water sump is not overflowing	✓	✓	✓	✓
No buildup on Flaker blades	✓	✓	✓	✓
Cooling nozzles are spraying on belt	✓	✓	✓	✓
No flake buildup on squeegees	✓	✓	✓	✓

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1st Floor cont

Gas cylinders are full and properly tagged	✓	✓	✓	✓
Pressure on the Flaker Belt cooling water filters is ok	✓	✓	✓	✓
All electric panel enclosure pressures are in the "Safe Zone"	✓	✓	✓	✓
Peroxide tank levels are sufficient	✓	✓	✓	✓
General area is clean and free of debris	✓	✓	✓	✓
Light on Peroxide building works				✓

1st Floor Oil Room

Oil pumps are running smoothly and free of unusual noise, heat, and leaks	✓	✓	✓	✓
Area is clean and free of debris	✓	✓	✓	✓

NOTES

1st floor SGO water on floor all over

Operator Initials [illegible] DSM [illegible] [illegible]

Hazardous Waste Tank Checklist, "SOP-1000-605" has been performed — **Time** 06:00

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Appendix A

SGO Process Operation Checklist

Date: 1-7-12

4th Floor

Reading time of the day 0630 1210 2200 0400

Hot Oil Expansion Tank (Record once per day) 45 %

Scale Tank agitator seals are between 1 – 2.5 bars	✓	✓	✓	✓
There are no leaks	✓	✓	✓	✓
There is a clear path between the Restab unit and the Scale Tank disconnects	✓	✓	✓	✓
The electric panel enclosure pressure is in the "Safe Zone"	✓	✓	✓	✓
Area is clean and free of debris	✓	✓	✓	✓
Phone in hallway is working	✓	✓	✓	✓

NOTES

3rd Floor

WFEs are running smoothly and free of unusual noise, heat, and leaks	✓	✓	✓	✓
Feed Tank agitator seals are between 1 – 2.5 bars	✓	✓	✓	✓
There are no leaks	✓	✓	✓	✓

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3rd Floor cont

Reactor agitator seals are filled with Carbitol and pressurized	✓	✓	✓	✓
Reactor agitator seals are cool to the touch	✓	✓	✓	✓
Electric panel enclosures are in the "Safe Zone"	✓	✓	✓	✓
Area is clean and free of debris	✓	✓	✓	✓
Phone in hallway is working	✓	✓	✓	✓

NOTES

2nd Floor

WFE agitator seal pots are filled with Carbitol and pressurized	✓	✓	✓	✓
P-1X03 seal pots are filled with Carbitol	✓	✓	✓	✓
P-1X03 seals cooling water are cool to the touch	✓	✓	✓	✓
Vacuum pump seal pots are filled with Carbitol	✓	✓	✓	✓
Vacuum pump seal pots have < 7 psig of N_2	✓	✓	✓	✓
Level in inches of inhibitor in D-1004	15	15	15	15
All filter housings are not leaking	✓	✓	✓	✓
Blend Tank agitator seal pots are filled with Carbitol and pressurized	✓	✓	✓	✓
Flaker Hopper room electrical panel enclosures have pressure in the "Safe Zone"	✓	✓	✓	✓

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2nd Floor cont

D-1X05 dikes are not cracked or leaking and there is no liquid in them	✓	✓	✓	✓
Electric panel enclosures are in the "Safe Zone"	✓	✓	✓	✓
Area is clean and free of debris	✓	✓	✓	✓

2nd Floor Oil Room

Oil pumps are running smoothly and free of unusual noise, heat, and leaks	✗	✓	✓	✓
Area is clean and free of debris	✓	✓	✓	✓

NOTES

P-1308 Leak
A-1181 Leak

1st Floor

Check level in dust collector bag	✓	✓	✓	✓
Electric panel enclosure pressures are in the "Safe Zone"	✓	✓	✓	✓
Check dike walls for cracks, and leaks	✓	✓	✓	✓
No liquid inside dikes	✓	✓	✓	✓
Water sump is not overflowing	✓	✓	✓	✓
No buildup on Flaker blades	✓	✓	✓	✓
Cooling nozzles are spraying on belt	✓	✓	✓	✓
No flake buildup on squeegees	✓	✓	✓	✓

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1st Floor cont

Gas cylinders are full and properly tagged	✓	✓	✓	✓
Pressure on the Flaker Belt cooling water filters is ok	✓	✓	✓	✓
All electric panel enclosure pressures are in the "Safe Zone"	✓	✓	✓	✓
Peroxide tank levels are sufficient	✓	✓	✓	✓
General area is clean and free of debris	✓	✓	✓	✓
Light on Peroxide building works				✓

1st Floor Oil Room

Oil pumps are running smoothly and free of unusual noise, heat, and leaks	✓	✓	✓	✓
Area is clean and free of debris	✓	✓	✓	✓

NOTES

Operator Initials [illegible]

Hazardous Waste Tank Checklist, "SOP-1000-605" has been performed **Time** 0600

Report all NOTES from this checklist to the Shift Supervisor for action

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Appendix A

SGO Process Operation Checklist

Date: 3-23-2012

4th Floor

Reading time of the day	___	___	18:00	0230
Hot Oil Expansion Tank (Record once per day)	55 %		55%	
Scale Tank agitator seals are between 1 – 2.5 bars	☐	☐	☑	☑
There are no leaks	☐	☐	☑	☑
There is a clear path between the Restab unit and the Scale Tank disconnects	☐	☐	☑	☑
The electric panel enclosure pressure is in the "Safe Zone"	☐	☐	☑	☑
Area is clean and free of debris	☐	☐	☑	☑
Phone in hallway is working	☐	☐	☑	☑

NOTES

3rd Floor

WFEs are running smoothly and free of unusual noise, heat, and leaks	☐	☐	☑	☒
Feed Tank agitator seals are between 1 – 2.5 bars	☐	☐	☑	☑
There are no leaks	☐	☐	☑	☑

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2nd Floor cont

D-1X05 dikes are not cracked or leaking and there is no liquid in them	☐	☐	✓	✓
Electric panel enclosures are in the "Safe Zone"	☐	☐	✓	✓
Area is clean and free of debris	☐	☐	✓	✓

2nd Floor Oil Room

Oil pumps are running smoothly and free of unusual noise, heat, and leaks	☐	☐	✓	✓
Area is clean and free of debris	☐	☐	✓	✓

NOTES

1st Floor

Check level in dust collector bag	☐	☐	✓	✓
Electric panel enclosure pressures are in the "Safe Zone"	☐	☐	✓	✓
Check dike walls for cracks, and leaks	☐	☐	✓	✓
No liquid inside dikes	☐	☐	✓	✓
Water sump is not overflowing	☐	☐	✓	✓
No buildup on Flaker blades	☐	☐	✓	✓
Cooling nozzles are spraying on belt	☐	☐	✓	✓
No flake buildup on squeegees	☐	☐	✓	✓

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1st Floor cont

Gas cylinders are full and properly tagged	☐	☐	✓	✓
Pressure on the Flaker Belt cooling water filters is ok	☐	☐	✓	✓
All electric panel enclosure pressures are in the "Safe Zone"	☐	☐	✓	✓
Peroxide tank levels are sufficient	☐	☐	✓	✓
General area is clean and free of debris	☐	☐	✓	✓
Light on Peroxide building works				✓

1st Floor Oil Room

Oil pumps are running smoothly and free of unusual noise, heat, and leaks	☐	☐	✓	✓
Area is clean and free of debris	☐	☐	✓	✓

NOTES

Operator Initials ___ ___ [illegible]

Hazardous Waste Tank Checklist, "SOP-1000-605" has been performed Time 0600

Report all NOTES from this checklist to the Shift Supervisor for action

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Appendix A

SGO Process Operation Checklist

Date: 5-8-12

4th Floor

Reading time of the day 10:00 ____ [illegible]

Hot Oil Expansion Tank (Record once per day) 40 %

Scale Tank agitator seals are between 1 – 2.5 bars	☑	☐	☒	☒
There are no leaks	☑	☐	☒	☒
There is a clear path between the Restab unit and the Scale Tank disconnects	☑	☐	☒	☒
The electric panel enclosure pressure is in the "Safe Zone"	☑	☐	☒	☒
Area is clean and free of debris	☑	☐	☒	☒
Phone in hallway is working	☑	☐	☒	☒

NOTES

3rd Floor

WFEs are running smoothly and free of unusual noise, heat, and leaks	☑	☐	☒	☒
Feed Tank agitator seals are between 1 – 2.5 bars	☑	☐	☒	☒
There are no leaks	☑	☐	☒	☒

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3rd Floor cont

Reactor agitator seals are filled with Carbitol and pressurized	/		X	X
Reactor agitator seals are cool to the touch	/		X	X
Electric panel enclosures are in the "Safe Zone"	/		X	X
Area is clean and free of debris	/		X	X
Phone in hallway is working	/		X	X

NOTES

E-1103 PRODUCING NOISE ON DRIVE END.

2nd Floor

WFE agitator seal pots are filled with Carbitol and pressurized	/		X	X
P-1X03 seal pots are filled with Carbitol	/		X	X
P-1X03 seals cooling water are cool to the touch	/		X	X
Vacuum pump seal pots are filled with Carbitol	/		X	X
Vacuum pump seal pots have < 7 psig of N_2	/		X	X
Level in Inches of inhibitor in D-1004	19		19"	19"
All filter housings are not leaking	/		X	X
Blend Tank agitator seal pots are filled with Carbitol and pressurized	/		X	X
Flaker Hopper room electrical panel enclosures have pressure in the "Safe Zone"	/		X	X

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2nd Floor cont

D-1X05 dikes are not cracked or leaking and there is no liquid in them	✓		X	X
Electric panel enclosures are in the "Safe Zone"	✓		X	X
Area is clean and free of debris	✓		X	X

2nd Floor Oil Room

Oil pumps are running smoothly and free of unusual noise, heat, and leaks	✓		X	X
Area is clean and free of debris	✓		X	X

NOTES

1st Floor

Check level in dust collector bag	✓			X
Electric panel enclosure pressures are in the "Safe Zone"	✓		X	X
Check dike walls for cracks, and leaks	✓		X	X
No liquid inside dikes	✓		X	X
Water sump is not overflowing	✓		X	X
No buildup on Flaker blades	✓		X	X
Cooling nozzles are spraying on belt	✓		X	X
No flake buildup on squeegees	✓		X	X

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File Name: SOP-1000-514 SGO Process Operations Checklist.doc; Owner Name: Boehme, John

1st Floor cont

Gas cylinders are full and properly tagged	✓			✗
Pressure on the Flaker Belt cooling water filters is ok	✓		✗	✗
All electric panel enclosure pressures are in the "Safe Zone"	✓		✗	✗
Peroxide tank levels are sufficient	✓		✗	✗
General area is clean and free of debris	✓		✗	✗
Light on Peroxide building works				✗

1st Floor Oil Room

Oil pumps are running smoothly and free of unusual noise, heat, and leaks	✓		✗	✗
Area is clean and free of debris	✓		✗	✗

NOTES

Operator Initials JD

Hazardous Waste Tank Checklist, "SOP-1000-605" has been performed Time 10:00

Report all NOTES from this checklist to the Shift Supervisor for action

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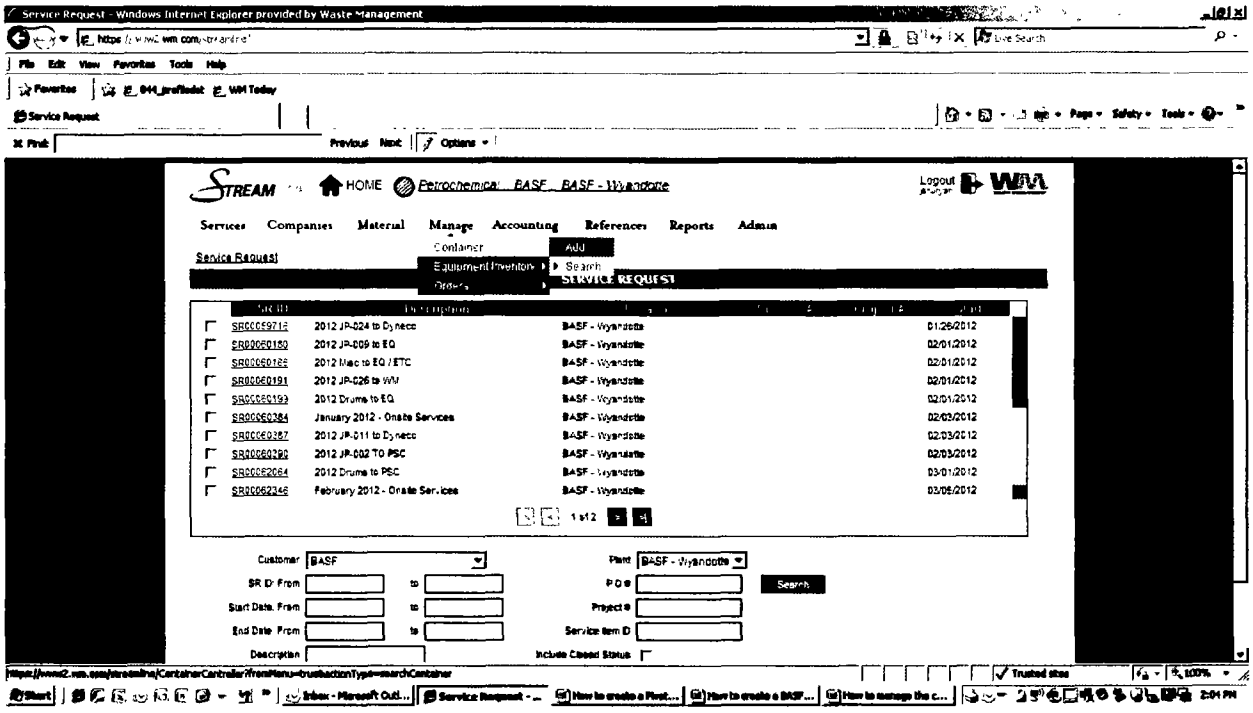
Attachment 8

BASF Corporation
1609 Biddle Avenue
Wyandotte, MI 48192-3729
Tel (734) 324-6000
www.basf.com/usa

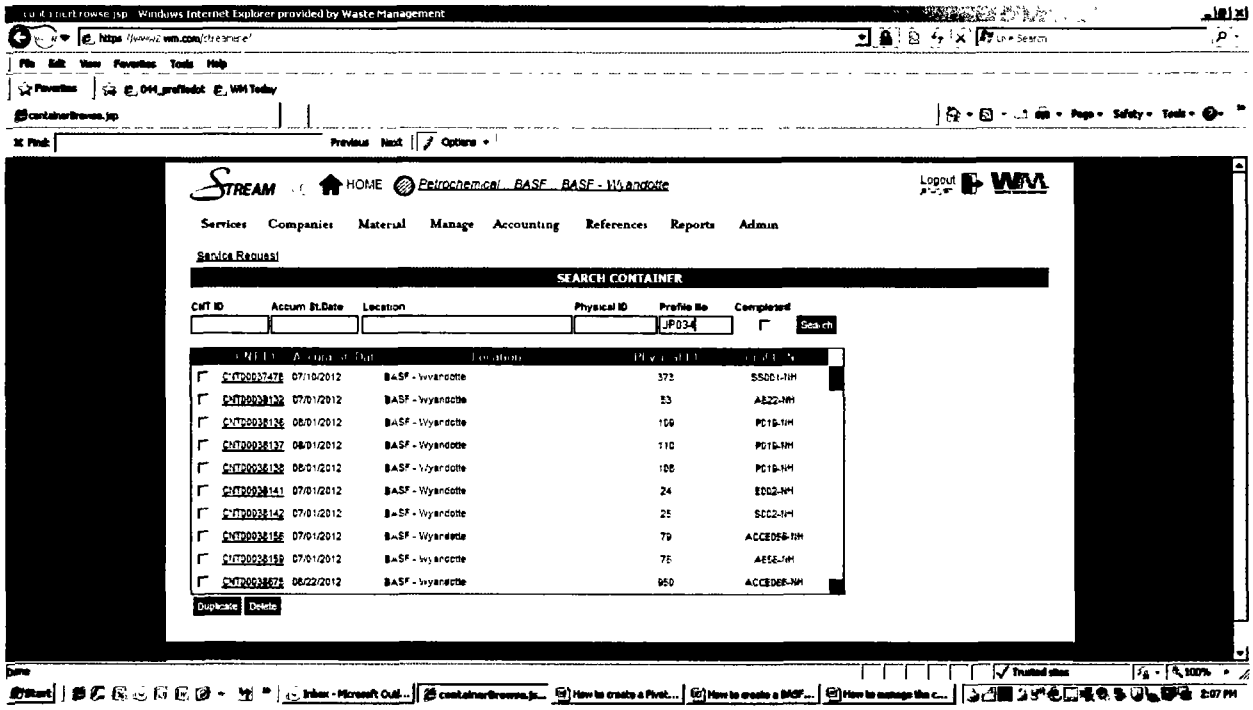
Streamline Container Management

WM-SW-005 How to manage the container inventory in Streamline

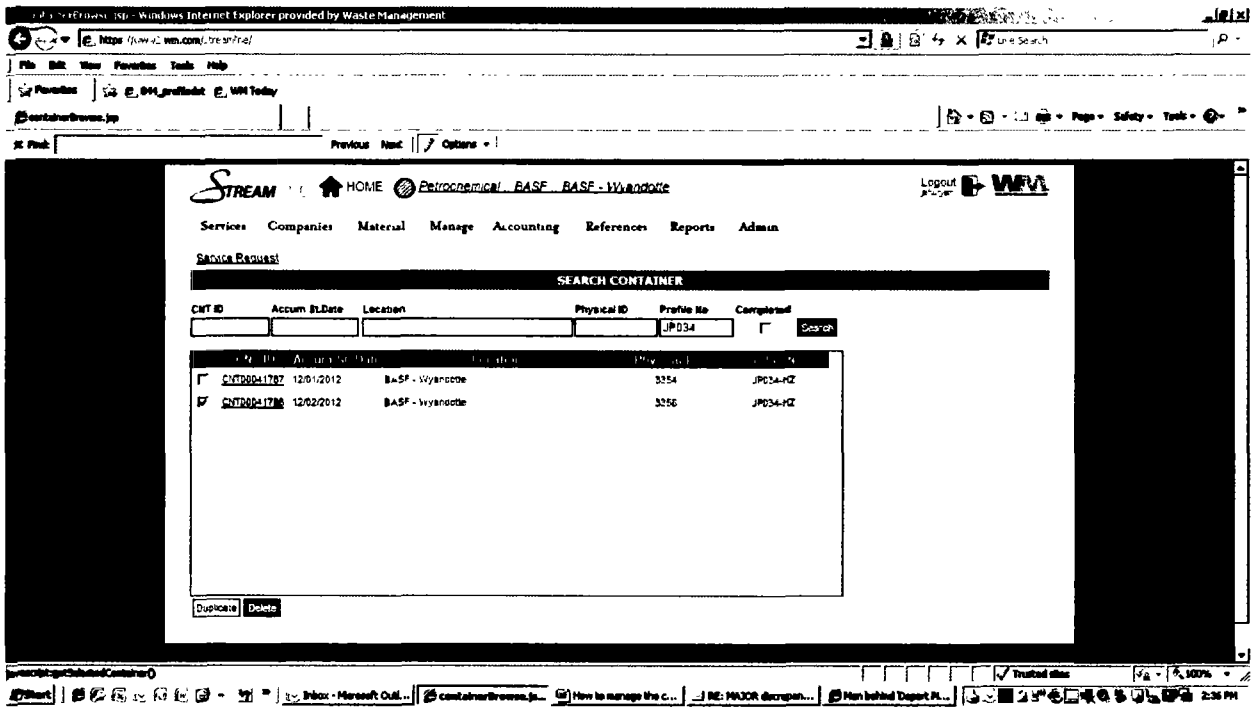
1. From the Service Request screen (home screen)
    a. **Manage**
        i. **Container**
            1. **Search**



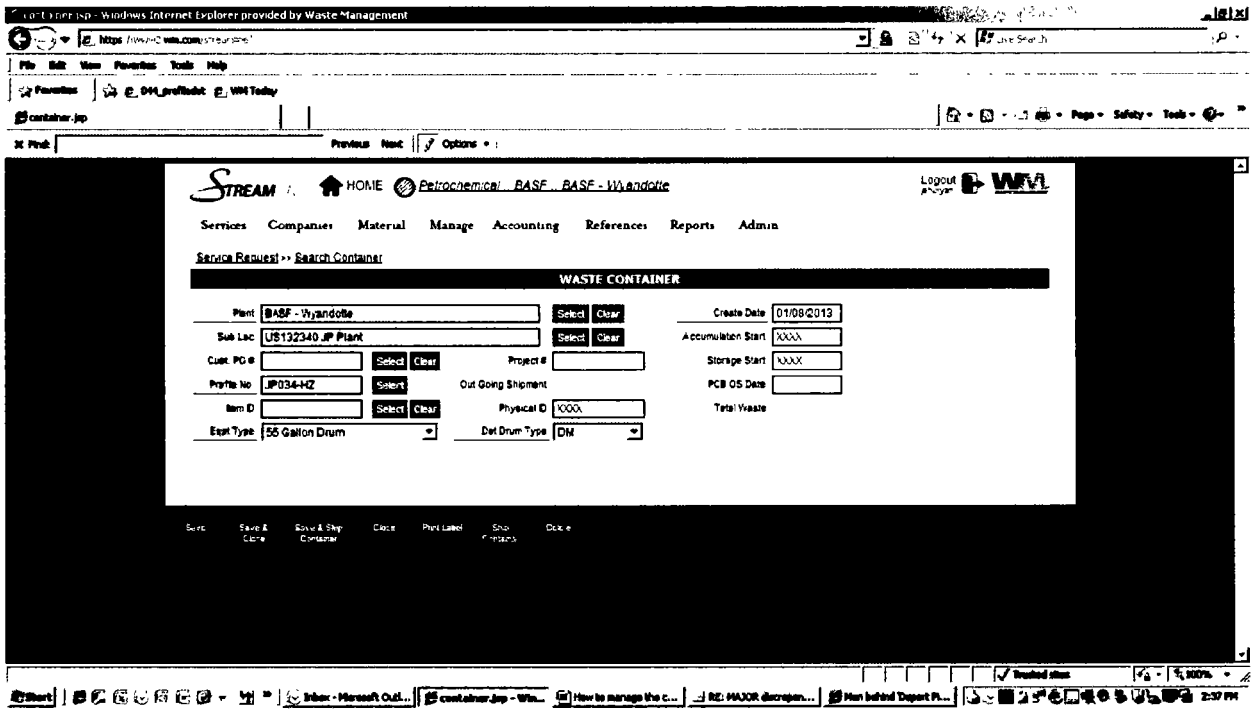
2. You can enter a contain using 2 methods
    a. **Create a container by copying an already existing container**
        i. This is the preferred method because most of the time, the existing container will already have the appropriate cost center tied to the "copied" container
            1. Type the BASF profile number you'd like to copy into the Profile No field
                a. You can select the "Complete" check box if you want to copy a container that had already shipped
            2. Click "Search"
    b. Create a new container for a new waste profile that has not shipped in the past
        i. Select "Create Container" button located at the bottom of the screen
        ii. Follow steps in section 4. a-f



3. The Containers available to copy will appear
    a. Select the check box next to the container you'd like to duplicate
    b. Select the "Duplicate" button at the bottom of the screen

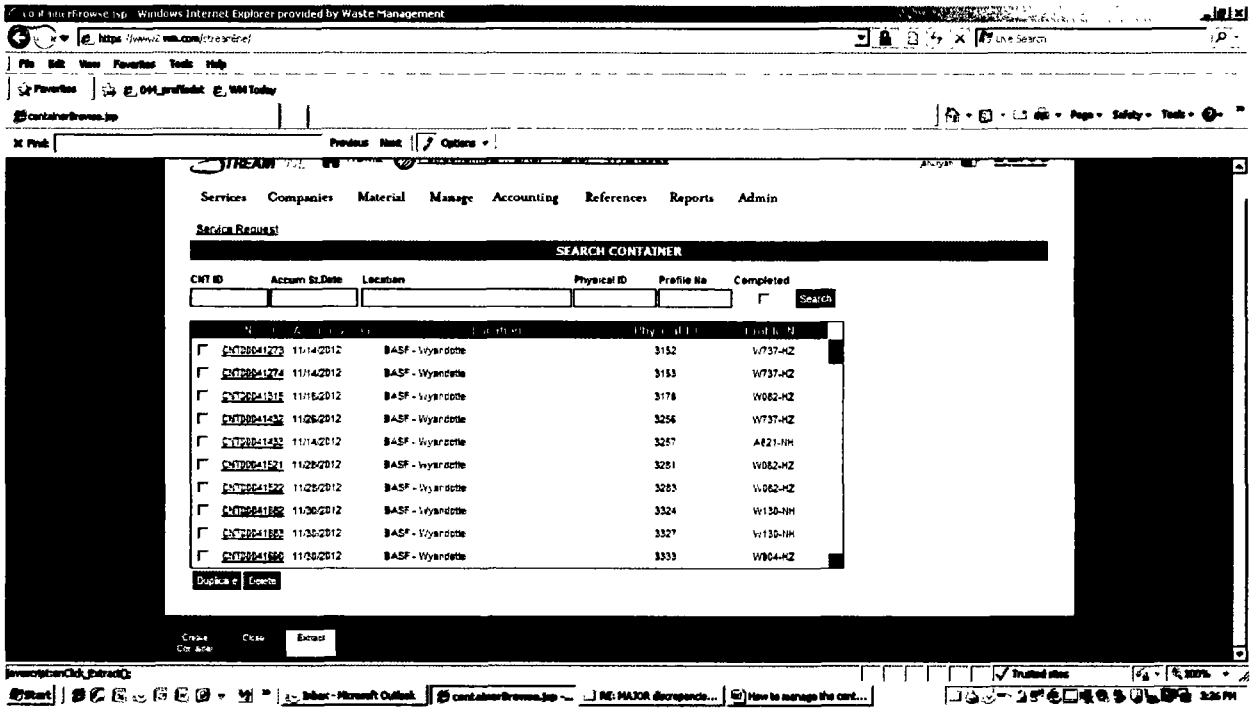


4. Populate the new container data
    a. Sub Loc (this is the Cost Center assigned to a specific container)
    b. Eqpt Type (55 gallon drum, 30 gallon drum, etc)
    c. Dot Drum Type (Drum Metal, Drum Fiber, Etc)
    d. Accumulation Start Date (Date drum began accumulating waste)
    e. Storage Start (Date drum was placed into <90 day storage)
        i. NOTE: these date will almost always be identical
    f. Select "Save and Close" at the bottom of the screen

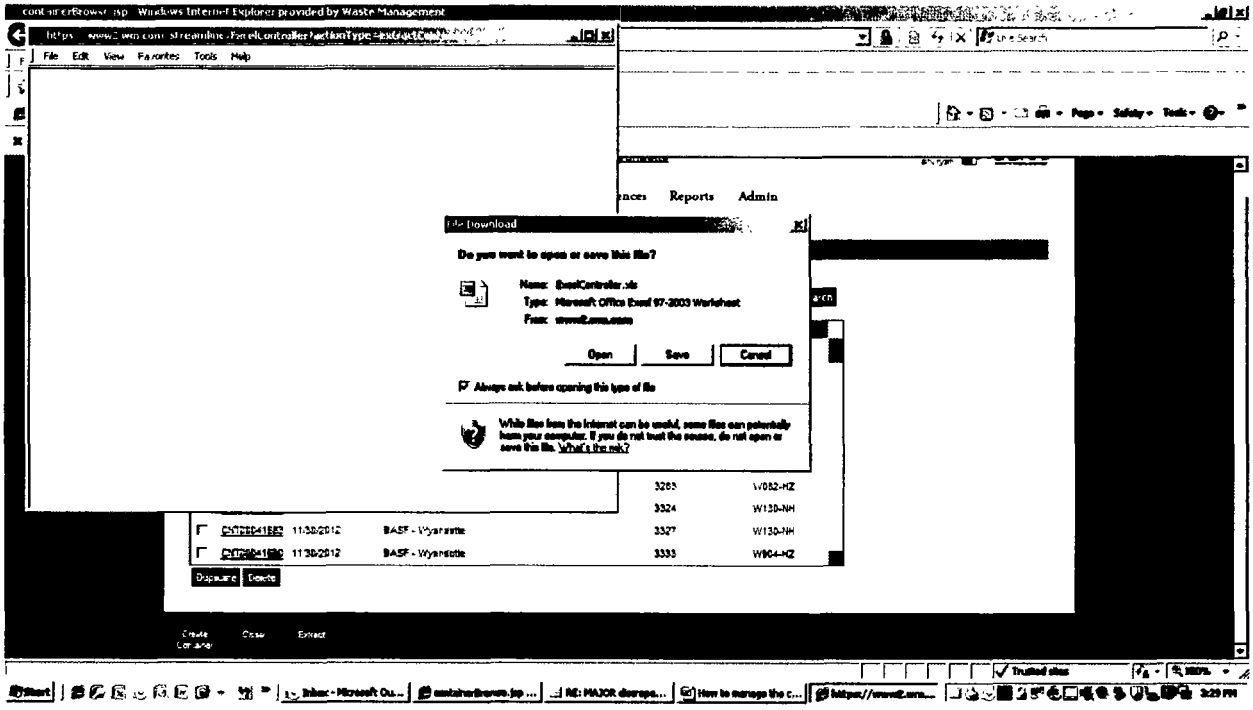


5. The container is now saved in Streamline and will populate on the container inventory logs.
    a. These drum logs will be used to populate drum shipments, conduct audits, and generate bills to the customer

6. **Container Extract**
    a. From the container management screen, select "Extract" located at the bottom of the screen.
        i. Make sure all open fields are empty before selecting "Extract". If a field is populated, the extract will filter to that value



7. The Extract will open from Excel
    a. Click "open"



8. You can now sort the data or create a pivot table

CNT ID	Phys ID	Current Location	Accum St. Date	Plant Name	Sub Location	Profile #	Profile ID
CNT00037476	373	BASF - Wyandotte	07/10/2012	BASF - Wyandotte		SS001-NH	WPR00022013
CNT00038192	33	BASF - Wyandotte	07/01/2012	BASF - Wyandotte		A622-NH	WPR00022313
CNT00038136	109	BASF - Wyandotte	08/01/2012	BASF - Wyandotte		P019-NH	WPR00022315
CNT00038137	110	BASF - Wyandotte	08/01/2012	BASF - Wyandotte		P019-NH	WPR00022315
CNT00038138	108	BASF - Wyandotte	08/01/2012	BASF - Wyandotte		P019-NH	WPR00022315
CNT00038141	24	BASF - Wyandotte	07/01/2012	BASF - Wyandotte		E002-NH	WPR00022318
CNT00038142	25	BASF - Wyandotte	07/01/2012	BASF - Wyandotte		S002-NH	WPR00022319
CNT00038156	79	BASF - Wyandotte	07/01/2012	BASF - Wyandotte	US672022 ACCE (Chem En	ACCE056-NH	WPR00022326
CNT00038158	76	BASF - Wyandotte	07/01/2012	BASF - Wyandotte		A656-NH	WPR00022327
CNT00038675	950	BASF - Wyandotte	08/22/2012	BASF - Wyandotte	US664000	ACCE066-NH	WPR00022673
CNT00038676	951	BASF - Wyandotte	08/22/2012	BASF - Wyandotte	US664000	ACCE066-NH	WPR00022673
CNT00038677	952	BASF - Wyandotte	08/22/2012	BASF - Wyandotte	US664000	ACCE066-NH	WPR00022673
CNT00038678	953	BASF - Wyandotte	08/22/2012	BASF - Wyandotte	US664000	ACCE066-NH	WPR00022673
CNT00038679	954	BASF - Wyandotte	08/22/2012	BASF - Wyandotte	US664000	ACCE066-NH	WPR00022673
CNT00038680	955	BASF - Wyandotte	08/22/2012	BASF - Wyandotte	US664000	ACCE066-NH	WPR00022673
CNT00038681	956	BASF - Wyandotte	08/22/2012	BASF - Wyandotte	US664000	ACCE066-NH	WPR00022673
CNT00038682	957	BASF - Wyandotte	08/22/2012	BASF - Wyandotte	US664000	ACCE066-NH	WPR00022673
CNT00038685	960	BASF - Wyandotte	08/22/2012	BASF - Wyandotte	US664000	ACCE066-NH	WPR00022673
CNT00038691	961	BASF - Wyandotte	08/22/2012	BASF - Wyandotte	US664000	ACCE066-NH	WPR00022673
CNT00038692	962	BASF - Wyandotte	08/22/2012	BASF - Wyandotte	US664000	ACCE066-NH	WPR00022673
CNT00038740	1011-CRIB	BASF - Wyandotte	08/20/2012	BASF - Wyandotte	US672049 R&D	W013-NH	WPR00011483
CNT00038743	1004	BASF - Wyandotte	07/23/2012	BASF - Wyandotte		TBD	WPR00022601
CNT00038881	1115	BASF - Wyandotte	08/30/2012	BASF - Wyandotte	US132340 JP Plant	ACCE066-NH	WPR00022673
CNT00038882	1116	BASF - Wyandotte	08/30/2012	BASF - Wyandotte	US132340 JP Plant	ACCE066-NH	WPR00022673
CNT00038885	1117	BASF - Wyandotte	08/30/2012	BASF - Wyandotte	US132340 JP Plant	ACCE066-NH	WPR00022673
CNT00038894	1118	BASF - Wyandotte	08/30/2012	BASF - Wyandotte	US132340 JP Plant	ACCE066-NH	WPR00022673

WASTE MANAGEMENT

Document No:	OC-005F SITE SPECIFIC
Revision Date:	02/13/2013
Page:	1 of 1

90-DAY ACCUMULATION AREA INSPECTION CHECKLIST

DATE OF INSPECTION: 2-13-13 INSPECTION COMPLETED BY: JERID SHURYAN
(Print Name in Block Letters)

Storage Area (if more than one): WASTE WAREHOUSE CWWSA

DATE OF OLDEST HAZARDOUS WATSE CURRENTLY IN STORAGE: 12-1-12

DATE OF OLDEST UNIVERSAL WASTE CURRENTLY IN STORAGE: 8-14-12.

90 Day Accumulation Area Inspection Checklist (U.S. Federal Requirements)

Checked	Requirement	Regulatory Citation
	Container Requirements – Part 40 CFR 262	
✓	Container is marked with accumulation start date.	40 CFR 262.34(a)(2)
✓	Container is marked with the words "Hazardous Waste".	40 CFR 262.34(a)(3)
✓	EPA / State Waste Codes are populated	Michigan Regulatory Req
	Container Requirements – 40 CFR Part 265 Subpart I *[Required by 40 CFR 262.34(a)(1) and262.34(d)]*	
✓	Container is in good condition and non-leaking.	40 CFR 265.171
✓	Waste is compatible with container that it is stored in.	40 CFR 265.172
✓	Container is closed except when adding or removing waste.	40 CFR 265.173(a)
✓	Container not stored in a way that would cause it to spill or leak.	40 CFR 265.173(b)
✓	Weekly inspections are conducted.	40 CFR 265.174
✓	Ignitable and reactive wastes are stored at least 15 meters (50 feet) from facility's property line.	40 CFR 265.176
	40 CFR 265 Subpart C - Preparedness and Prevention *[Required by40 CFR 262.34(a)(4) and 262.34(d)]*	
✓	Facility is maintained in a manner to prevent fire, explosions or spills.	40 CFR 256.31
✓	Facility must be equipped with (unless hazards posed would not require): 1. Internal communications to signal emergency to facility personnel. 2. Communication device to alert local response personnel. 3. Fire extinguishers. 4. Fire suppression: adequate water supply for emergency personnel or foam producing equipment.	40 CFR 265.32
✓	Testing and maintenance of alarms and emergency equipment.	40 CFR 265.33
✓	Immediate access to communication equipment when handling hazardous waste.	40 CFR 265.34
✓	Adequate aisle space for emergency personnel & equipment.	40 CFR 265.35

Comments:

Attachment 9

BASF Corporation
1609 Biddle Avenue
Wyandotte, MI 48192-3729
Tel (734) 324-6000
www.basf.com/usa

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) D54410520 SC PPW 3/3/2011 Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: MID064197742
2. Page 1 of 4 SW
3. Emergency Response Phone: (800) 832-4357
4. Manifest Tracking Number: 005236493 FLE

5. Generator's Name and Mailing Address
BASF
1609 Biddle Avenue
Wyandotte, MI 48192
Generator's Phone: (734)324-6524

Generator's Site Address (if different than mailing address): SAME

6. Transporter 1 Company Name: Clean Harbors Environmental Services Inc — U.S. EPA ID Number: MAD039322250

7. Transporter 2 Company Name: Clean Harbors Environmental Services Inc — U.S. EPA ID Number: MAD039322250

8. Designated Facility Name and Site Address
Clean Harbors El Dorado LLC
309 American Circle
El Dorado, AR 71730
Facility's Phone: (870)863-7173
U.S. EPA ID Number: ARD069748192

RECEIVED
JUL 27 2012
ENVIRONMENTAL HEALTH & SAFETY DEPT.

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
x	1. RQ, UN1950, WASTE AEROSOLS, FLAMMABLE, N.O.S., 2.1 (D001) W904	2	DM	180	P	D001	D003	
x	2. UN1282, WASTE PYRIDINE, 3, PG II W100	1	DF	50	P	D001	F005	
x	3. RQ, UN1093, WASTE FLAMMABLE LIQUIDS, N.O.S., (PROPYLENE OXIDE, ETHYLENE OXIDE), 3, PG III (D001) P035	2	Dm	700	P	D001	U115	
x	4. UN3105, WASTE ORGANIC PEROXIDE TYPE D, LIQUID, (T-BUTYL PEROXIDE, T-BUTYL ALCOHOL), 5.2, PG II W737	6	Dm	2400	P	D001		

14. Special Handling Instructions and Additional Information
1. 1457475W ERG#126 2x55
2. 707095W ERG#129 1x5
3. CH435909 ERG#128 2x55
4. 1314325W ERG#145 6x55

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Jeffrey D. Garner — Signature: [signature] — Month 06 Day 20 Year 12

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit.
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Stephen Garlick — Signature: [signature] — Month 06 Day 20 Year 12
Transporter 2 Printed/Typed Name: Gerald L. Peters — Signature: [signature] — Month 06 Day 22 Year 12

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone.
18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H040 2. H040 3. H040 4. H040

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: [signature] — Signature: [signature] — Month Day Year

GENERATOR / INT'L / TRANSPORTER / DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete. DESIGNATED FACILITY TO GENERATOR

Clean Harbors has the appropriate permits for and will accept the waste the generator is shipping.

WASTE MATERIAL PROFILE SHEET

Clean Harbors Profile No. 1450220

A. GENERAL INFORMATION

GENERATOR EPA ID #/REGISTRATION # ***MID064197742*** GENERATOR NAME ***BASF Corporation***

GENERATOR CODE (Assigned by Clean Harbors) ***BA000026*** CITY ***Wyandotte*** STATE/PROVINCE ***MI*** ZIP/POSTAL CODE ***48192***

ADDRESS ***1609 Biddle Avenue***

PHONE: **(734) 324-6524**

CUSTOMER CODE (Assigned by Clean Harbors) ***BA000026*** CUSTOMER NAME ***BASF Corporation***

ADDRESS ***1609 Biddle Avenue*** CITY ***Wyandotte*** STATE/PROVINCE ***MI*** ZIP/POSTAL CODE ***48192***

B. WASTE DESCRIPTION

WASTE DESCRIPTION ***AEROSOLS***

PROCESS GENERATING WASTE **AEROSOLS**

IS THIS WASTE CONTAINED IN SMALL PACKAGING CONTAINED WITHIN A LARGER SHIPPING CONTAINER ? **Yes**

C. PHYSICAL PROPERTIES (at 25C or 77F)

PHYSICAL STATE
- SOLID WITHOUT FREE LIQUID
- POWDER
- MONOLITHIC SOLID
- LIQUID WITH NO SOLIDS
- LIQUID/SOLID MIXTURE
  - % FREE LIQUID
  - % SETTLED SOLID
  - % TOTAL SUSPENDED SOLID
- SLUDGE
- [x] GAS/AEROSOL

NUMBER OF PHASES/LAYERS

1 2 3

% BY VOLUME (Approx)

TOP	***0.00***
MIDDLE	***0.00***
BOTTOM	***0.00***

VISCOSITY (If liquid present)
- 1 - 100 (e g Water)
- 101 - 500 (e g Motor Oil)
- 501 - 10,000 (e g Molasses)
- > 10,000

COLOR

varies

ODOR
- [x] NONE
- MILD
- STRONG

Describe

BOILING POINT °F (°C)
- <= 95 (<=35)
- 95 - 100 (35-38)
- 101 - 129 (38-54)
- >= 130 (>54)

MELTING POINT °F (°C)
- < 140 (<60)
- 140-200 (60-93)
- > 200 (>93)

TOTAL ORGANIC CARBON
- <= 1%
- 1-9%
- [x] >= 10%

FLASH POINT °F (°C)
- < 73 (<23)
- 73 - 100 (23-38)
- 101 -140 (38-60)
- [x] 141 -200 (60-93)
- > 200 (>93)

pH
- <= 2
- 2 1 - 6 9
- 7 (Neutral)
- 7 1 - 12 4
- >= 12 5

SPECIFIC GRAVITY
- < 0 8 (e g Gasoline)
- 0 8-1 0 (e g Ethanol)
- [x] 1 0 (e g Water)
- 1 0-1 2 (e g Antifreeze)
- > 1 2 (e g Methylene Chloride)

ASH
- < 0 1
- 0 1 - 1 0
- 1 1 - 5 0
- 5 1 - 20 0
- > 20
- [x] Unknown

BTU/LB (MJ/kg)
- < 2,000 (<4 6)
- 2,000-5,000 (4 6-11 6)
- [x] 5,000-10,000 (11 6-23 2)
- > 10,000 (>23 2)

Actual

D. COMPOSITION (List the complete composition of the waste, include any inert components and/or debris Ranges for individual components are acceptable If a trade name is used, please supply an MSDS Please do not use abbreviations)

CHEMICAL	MIN	--	MAX	UOM
BUTANOL	**30.0000000**	--	**60.0000000**	**%**
METAL CAN	**10.0000000**	--	**10.0000000**	**%**
PETROLEUM GAS-LIQUIFIED	**30.0000000**	--	**60.0000000**	**%**

DOES THIS WASTE CONTAIN ANY HEAVY GAUGE METAL DEBRIS OR OTHER LARGE OBJECTS (EX , METAL PLATE OR PIPING >1/4" THICK OR >12" LONG, METAL REINFORCED HOSE >12" LONG, METAL WIRE >12" LONG, METAL VALVES, PIPE FITTINGS, CONCRETE REINFORCING BAR OR PIECES OF CONCRETE >3")? YES [x] NO

If yes, describe, including dimensions

DOES THIS WASTE CONTAIN ANY METALS IN POWDERED OR OTHER FINELY DIVIDED FORM? YES [x] NO

DOES THIS WASTE CONTAIN OR HAS IT CONTACTED ANY OF THE FOLLOWING; ANIMAL WASTES, HUMAN BLOOD, BLOOD PRODUCTS, BODY FLUIDS, MICROBIOLOGICAL WASTE, PATHOLOGICAL WASTE, HUMAN OR ANIMAL DERIVED SERUMS OR PROTEINS OR ANY OTHER POTENTIALLY INFECTIOUS MATERIAL? YES [x] NO

I acknowledge that this waste material is neither infectious nor does it contain any organism known to be a threat to human health This certification is based on my knowledge of the material Select the answer below that applies

The waste was never exposed to potentially infectious material YES NO

Chemical disinfection or some other form of sterilization has been applied to the waste YES NO

I ACKNOWLEDGE THAT THIS PROFILE MEETS THE CLEAN HARBORS BATTERY PACKAGING REQUIREMENTS YES NO

I ACKNOWLEDGE THAT MY FRIABLE ASBESTOS WASTE IS DOUBLE BAGGED AND WETTED YES NO

SPECIFY THE SOURCE CODE ASSOCIATED WITH THE WASTE ***G11*** SPECIFY THE FORM CODE ASSOCIATED WITH THE WASTE ***W801***

E. CONSTITUENTS

Are these values based on testing or knowledge? [✓] Knowledge Testing

If based on knowledge, please describe in detail, the rationale applied to identify and characterize the waste material Please include reference to Material Safety Data Sheets (MSDS) when applicable Include the chemical or trade-name represented by the MSDS, and or detailed process or operating procedures which generate the waste

AEROSOLS

Please indicate which constituents below apply. Concentrations must be entered when applicable to assist in accurate review and expedited approval of your waste profile. Please note that the total regulated metals and other constituents sections require answers.

RCRA	REGULATED METALS	REGULATORY LEVEL (mg/l)	TCLP mg/l	TOTAL	UOM	NOT APPLICABLE
D004	ARSENIC	5 0				[✓]
D005	BARIUM	100 0				[✓]
D006	CADMIUM	1 0				[✓]
D007	CHROMIUM	5 0				[✓]
D008	LEAD	5 0				[✓]
D009	MERCURY	0 2				[✓]
D010	SELENIUM	1.0				[✓]
D011	SILVER	5 0				[✓]
	VOLATILE COMPOUNDS					
D018	BENZENE	0 5				
D019	CARBON TETRACHLORIDE	0 5				
D021	CHLOROBENZENE	100 0				
D022	CHLOROFORM	6 0				
D028	1,2-DICHLOROETHANE	0 5				
D029	1,1-DICHLOROETHYLENE	0 7				
D035	METHYL ETHYL KETONE	200 0				
D039	TETRACHLOROETHYLENE	0 7				
D040	TRICHLOROETHYLENE	0 5				
D043	VINYL CHLORIDE	0 2				
	SEMI-VOLATILE COMPOUNDS					
D023	o-CRESOL	200 0				
D024	m-CRESOL	200 0				
D025	p-CRESOL	200 0				
D026	CRESOL (TOTAL)	200 0				
D027	1,4-DICHLOROBENZENE	7 5				
D030	2,4-DINITROTOLUENE	0 13				
D032	HEXACHLOROBENZENE	0 13				
D033	HEXACHLOROBUTADIENE	0 5				
D034	HEXACHLOROETHANE	3 0				
D036	NITROBENZENE	2 0				
D037	PENTACHLOROPHENOL	100 0				
D038	PYRIDINE	5 0				
D041	2,4,5-TRICHLOROPHENOL	400 0				
D042	2,4,6-TRICHLOROPHENOL	2 0				
	PESTICIDES AND HERBICIDES					
D012	ENDRIN	0 02				
D013	LINDANE	0 4				
D014	METHOXYCHLOR	10 0				
D015	TOXAPHENE	0 5				
D016	2,4-D	10 0				
D017	2,4,5-TP (SILVEX)	1.0				
D020	CHLORDANE	0 03				
D031	HEPTACHLOR (AND ITS EPOXIDE)	0 008				

OTHER CONSTITUENTS	MAX	UOM	NOT APPLICABLE
BROMINE			[✓]
CHLORINE			[✓]
FLUORINE			[✓]
IODINE			[✓]
SULFUR			[✓]
POTASSIUM			[✓]
SODIUM			[✓]
AMMONIA			[✓]
CYANIDE AMENABLE			[✓]
CYANIDE REACTIVE			[✓]
CYANIDE TOTAL			[✓]
SULFIDE REACTIVE			[✓]

HOCs

[✓] NONE
< 1000 PPM
>= 1000 PPM

PCBs

[✓] NONE
< 50 PPM
>=50 PPM

IF PCBS ARE PRESENT, IS THE WASTE REGULATED BY TSCA 40 CFR 761?

YES [✓] NO

ADDITIONAL HAZARDS

DOES THIS WASTE HAVE ANY UNDISCLOSED HAZARDS OR PRIOR INCIDENTS ASSOCIATED WITH IT, WHICH COULD AFFECT THE WAY IT SHOULD BE HANDLED?

YES [✓] NO (If yes, explain)

CHOOSE ALL THAT APPLY

DEA REGULATED SUBSTANCE	EXPLOSIVE	FUMING	OSHA REGULATED CARCINOGENS
POLYMERIZABLE	RADIOACTIVE	REACTIVE MATERIAL	[✓] NONE OF THE ABOVE

Clean Harbors Profile No. 1450220

F. REGULATORY STATUS

[✓] YES [ ] NO USEPA HAZARDOUS WASTE?

D001

[ ] YES [✓] NO DO ANY STATE WASTE CODES APPLY?

Texas Waste Code

[ ] YES [✓] NO DO ANY CANADIAN PROVINCIAL WASTE CODES APPLY?

[✓] YES [ ] NO IS THIS WASTE PROHIBITED FROM LAND DISPOSAL WITHOUT FURTHER TREATMENT PER 40 CFR PART 268?

LDR CATEGORY VARIANCE INFO *This is subject to LDR.*

[ ] YES [✓] NO IS THIS A UNIVERSAL WASTE?

[ ] YES [ ] NO IS THE GENERATOR OF THE WASTE CLASSIFIED AS CONDITIONALLY EXEMPT SMALL QUANTITY GENERATOR (CESQG)?

[ ] YES [ ] NO IS THIS MATERIAL GOING TO BE MANAGED AS A RCRA EXEMPT COMMERCIAL PRODUCT, WHICH IS FUEL (40 CFR 261 2 (C)(2)(II))?

[ ] YES [✓] NO DOES TREATMENT OF THIS WASTE GENERATE A F006 OR F019 SLUDGE?

[ ] YES [ ] NO IS THIS WASTE STREAM SUBJECT TO THE INORGANIC METAL BEARING WASTE PROHIBITION FOUND AT 40 CFR 268 3(C)?

[ ] YES [✓] NO DOES THIS WASTE CONTAIN VOC'S IN CONCENTRATIONS >=500 PPM?

[ ] YES [✓] NO DOES THE WASTE CONTAIN GREATER THAN 20% OF ORGANIC CONSTITUENTS WITH A VAPOR PRESSURE >= 3KPA (044 PSIA)?

[ ] YES [✓] NO DOES THIS WASTE CONTAIN AN ORGANIC CONSTITUENT WHICH IN ITS PURE FORM HAS A VAPOR PRESSURE > 77 KPA (11 2 PSIA)?

[ ] YES [✓] NO IS THIS CERCLA REGULATED (SUPERFUND) WASTE ?

[ ] YES [✓] NO IS THE WASTE SUBJECT TO ONE OF THE FOLLOWING NESHAP RULES?

Hazardous Organic NESHAP (HON) rule (subpart G) Pharmaceuticals production (subpart GGG)

[✓] YES [ ] NO IF THIS IS A US EPA HAZARDOUS WASTE, DOES THIS WASTE STREAM CONTAIN BENZENE?

YES NO Does the waste stream come from a facility with one of the SIC codes listed under benzene NESHAP or is this waste regulated under the benzene NESHAP rules because the original source of the waste is from a chemical manufacturing, coke by-product recovery, or petroleum refinery process?

YES NO Is the generating source of this waste stream a facility with Total Annual Benzene (TAB) >10 Mg/year?

What is the TAB quantity for your facility? Megagram/year (1 Mg = 2,200 lbs)

The basis for this determination is Knowledge of the Waste Or Test Data Knowledge Testing

Describe the knowledge

G. DOT/TDG INFORMATION

DOT/TDG PROPER SHIPPING NAME

UN1950, WASTE AEROSOLS, (.), 2.2, (8), NONE

H. TRANSPORTATION REQUIREMENTS

ESTIMATED SHIPMENT FREQUENCY ONE TIME WEEKLY MONTHLY QUARTERLY YEARLY [✓] OTHER *Other*

[✓] **CONTAINERIZED**

1-4 CONTAINERS/SHIPMENT

STORAGE CAPACITY.

CONTAINER TYPE

CUBIC YARD BOX PALLET

TOTE TANK [✓] DRUM

OTHER

DRUM SIZE *55*

BULK LIQUID

GALLONS/SHIPMENT *0 Min -0 Max* GAL.

BULK SOLID

SHIPMENT UOM TON YARD

TONS/YARDS/SHIPMENT. *0 Min - 0 Max*

SPECIAL REQUEST

COMMENTS OR REQUESTS

ERATOR'S CERTIFICATION

ertify that I am authorized to execute this document as an authorized agent I hereby certify that all information submitted in this and attached documents is correct to the best of my knowledge I also ify that any samples submitted are representative of the actual waste If Clean Harbors discovers a discrepancy during the approval process, Generator grants Clean Harbors the authority to amend profile, as Clean Harbors deems necessary, to reflect the discrepancy

AUTHORIZED SIGNATURE	NAME (PRINT)	TITLE	DATE
[signature]	DAVID W. SHEAYES ~~UNABLE TO READ~~	ENV. TEAM LEAD.	6/19/2012

Information Requested BASF Corporation June 13, 14 Inspection

David W Sheaves to: Bryan Gangwisch 06/27/2012 06:04 AM

From: David W Sheaves <david.sheaves@basf.com>
To: Bryan Gangwisch/R5/USEPA/US@EPA,

History: This message has been replied to.

7 attachments

01-10 Polyol Weekly Inspection.pdf 03-10 Polyol Weekly Inspection.pdf 04-10 Polyol Weekly Inspection.pdf

06-10 Polyol Weekily Inspection.pdf 07-10 Polyol Weekly Inspection.pdf 09-10 Polyol Weekly Inspection.pdf

10-10 Polyol Weekly Inspection.pdf

Bryan,

This is the first of multiple e-mails as the files are large.

The attached constitutes a representative sampling of the Polyol Plant weekly hazardous waste inspections for the less than 90 day accumulation storage areas.

David Sheaves
Environmental Team Leader

Phone: 734-324-6836, Mobile: 734-476-7608, E-Mail: david.sheaves@basf.com
Postal Address: 1609 Biddle Avenue, Wyandotte, MI 48192

Be First to Strive! Then Strive to be First!

BASF Corporation	Title:	Hazardous Waste Satellite Storage Log		
Wya Polyol Plant	No.:	WYP0222	Page:	3 of 4

HAZARDOUS WASTE < 90 DAY ACCUMULATIONS STORAGE AREA - INSPECTION/TRANSFER LOG
RETURN COMPLETED LOG TO SUPERVISOR TO BE FILED IN THE POLYOL DOCUMENT CENTER
SITE WASTE WARHOUSE HOURS MONDAY/WEDNESDAY 1-2PM, FRIDAY 10-11 AM

DATE: 10 27-10 TIME: 1000 INSPECTED BY (PRINT FULL NAME): Kevin L. Kith

No.	Description	START DATE ON LABEL IS <11 MONTHS	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1	Waste Batteries (U-800) Supervisor's Office (Dispose of >11 months)	OK	Y	Y	Y	Y	OK	Y	N	~~O~~
2	Waste Batteries (U-800) Maintenance Shop (Dispose of >11 months)	OK	Y	Y	Y	Y	OK	Y	N	~~O~~

WASTE TRANSFERS / COMMENTS (PLEASE LOG ALL TRANSFERS WITH INDIVIDUAL CONTAINER WEIGHTS IN POUNDS)

UNCONTROLLED COPY
Printed: Wed Oct 27 08:34:04 EDT 2010; Expires: Thu Oct 28 08:34:04 EDT 2010
File Name: WYP0222 HAZARDOUS WASTE SATELLITE STORAGE LOG; Owner Name: Bryan, Jeff

BASF Corporation	Title:	Hazardous Waste Satellite Storage Log		
Wya Polyol Plant	No.:	WYP0222	Page:	3 of 4

HAZARDOUS WASTE < 90 DAY ACCUMULATIONS STORAGE AREA - INSPECTION/TRANSFER LOG
RETURN COMPLETED LOG TO SUPERVISOR TO BE FILED IN THE POLYOL DOCUMENT CENTER
SITE WASTE WARHOUSE HOURS MONDAY/WEDNESDAY 1-2PM, FRIDAY 10-11 AM

DATE: 10-27-10 TIME: 1000 INSPECTED BY (PRINT FULL NAME): Kevin L Keith

[illegible]	[illegible]	RECORD THE DATE OFF THE LABEL, IS IT <45 DAYS OLD?	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4	Monomer Waste (W-010)	Date:	Y	Y	OK	Y	Y	N	0
5	Monomer Waste (W-010)	Date:	Y	Y	OK	Y	Y	N	0
6	Monomer Waste (W-010)	Date:	Y	Y	OK	Y	Y	N	0
7	Monomer Waste (W-010)	Date:	Y	Y	OK	Y	Y	N	0
8	Monomer Waste (W-010)	Date:	Y	Y	OK	Y	Y	N	0
9	Monomer Waste (W-010)	Date:	Y	Y	OK	Y	Y F	N	0

WASTE TRANSFERS / COMMENTS (PLEASE LOG ALL TRANSFERS WITH INDIVIDUAL CONTAINER WEIGHTS IN POUNDS)

UNCONTROLLED COPY
Printed: Wed Oct 27 06:34:04 EDT 2010, Expires: Thu Oct 28 06:34:04 EDT 2010
File Name: WYP0222 HAZARDOUS WASTE SATELLITE STORAGE LOG; Owner Name: Bryan, Jeff

HAZARDOUS WASTE < 90 DAY ACCUMULATIONS STORAGE AREA - INSPECTION/TRANSFER LOG
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	Waste Aerosols (W-904) In Maintence Shop	Y	Y	Y	Y	ok	Y	Y	N	Θ

WASTE TRANSFERS / COMMENTS (PLEASE LOG ALL TRANSFERS WITH INDIVIDUAL CONTAINER WEIGHTS IN POUNDS

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Printed: Wed Oct 27 08:34:04 EDT 2010; Expires: Thu Oct 28 08:34:04 EDT 2010
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BASF Corporation	Title:	Hazardous Waste Satellite Storage Log		
Wya Polyol Plant	No.:	WYP0222	Page:	1 of 4

WASTE SATELLITE STORAGE AREA - INSPECTION/TRANSFER LOG
RETURN COMPLETED LOG TO SUPERVISOR TO BE FILED IN THE POLYOL DOCUMENT CENTER
SITE WASTE WARHOUSE HOURS MONDAY/WEDNESDAY 1-2PM, FRIDAY 10-11 AM

DATE: 10-27-10 TIME: 1000 INSPECTED BY (PRINT FULL NAME): Kevin L. Keith

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2	#7 Jet Decanter Waste (W-035)	Y	Y	Y	Y	OK	Y	OK	✓	✓
1	Neutralized MDI Waste (W-067)	Y	Y	Y	Y	OK	Y	OK	✓	✓
11	Monomer Waste (W-010)	Y	Y	Y	Y	OK	Y	OK	✓	✓
	D702 Knock Out Waste (P-025) (Would be located near Oxide KO pot at TO this waste is generated in relation with TO trips.)	NA			NO	DRUM			✓	NA
12	Neutralized TDI Waste (W-068)	Y	Y	Y	Y	OK	Y	OK	✓	✓
13	Sugar/Pent/Polyol (A-645)	Y	Y	Y	Y	OK	Y	OK	✓	✓
15	Waste Toluene Filters (#3BB for carbon beds) (W-799)	Y	Y	Y	Y	OK	Y	OK	✓	✓
	Used Oil (A-603-08) Flammable Shed Maintence Pad	Y	Y	Y	Y	OK	Y	OK	✓	✓
	Polyol QA Waste (W-760) (Will be inside of retain room)	Y	Y	Y	Y	OK	Y	OK	✓	✓
	Crushed Glass (A-616) (Will be inside of retain room)	Y	Y	Y	Y	OK	Y	OK	✓	✓

UNCONTROLLED COPY
Printed: Wed Oct 27 06:34:04 EDT 2010; Expires: Thu Oct 28 06:34:04 EDT 2010
File Name: WYP0222 HAZARDOUS WASTE SATELLITE STORAGE LOG; Owner Name: Bryan, Jeff

BASF Corporation	Title:	Hazardous Waste Satellite Storage Log		
Wya Polyol Plant	No.:	WYP0222	Page:	3 of 4

HAZARDOUS WASTE < 90 DAY ACCUMULATIONS STORAGE AREA - INSPECTION/TRANSFER LOG
RETURN COMPLETED LOG TO SUPERVISOR TO BE FILED IN THE POLYOL DOCUMENT CENTER
SITE WASTE WARHOUSE HOURS MONDAY/WEDNESDAY 1-2PM, FRIDAY 10-11 AM

DATE: 10-20-10 TIME: 10-20-10 INSPECTED BY (PRINT FULL NAME): Kevin L. Keith

[illegible]	[illegible]	START DATE ON LABEL IS <11 MONTHS	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1	Waste Batteries **(U-800)** Supervisor's Office **(Dispose of >11 months)**		OK	Y	Y	Y	OK	Y	N	—
2	Waste Batteries **(U-800)** Maintenance Shop **(Dispose of >11 months)**		OK	Y	Y	Y	OK	Y	N	—

WASTE TRANSFERS / COMMENTS (PLEASE LOG ALL TRANSFERS WITH INDIVIDUAL CONTAINER WEIGHTS IN POUNDS)

UNCONTROLLED COPY
Printed: Wed Oct 20 08:20:36 EDT 2010; Expires: Thu Oct 21 08:20:36 EDT 2010
File Name: WYP0222 HAZARDOUS WASTE SATELLITE STORAGE LOG; Owner Name: Bryan, Jeff

BASF Corporation	Title:	Hazardous Waste Satellite Storage Log		
Wya Polyol Plant	No.:	WYP0222	Page:	3 of 4

HAZARDOUS WASTE < 90 DAY ACCUMULATIONS STORAGE AREA - INSPECTION/TRANSFER LOG

RETURN COMPLETED LOG TO SUPERVISOR TO BE FILED IN THE POLYOL DOCUMENT CENTER

SITE WASTE WARHOUSE HOURS MONDAY/WEDNESDAY 1-2PM, FRIDAY 10-11 AM

DATE: 10·20-10 TIME: 1100 INSPECTED BY (PRINT FULL NAME): Kevin L. Kt-th

[illegible]	[illegible]	RECORD THE DATE OFF THE LABEL, IS IT <45 DAYS OLD?	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4	Monomer Waste (W-010)	Date:	Y	Y	ok	Y	Y	N	Ø
5	Monomer Waste (W-010)	Date:	Y	Y	ok	Y	Y	N	Ø
6	Monomer Waste (W-010)	Date:	Y	Y	ok	Y	Y	N	Ø
7	Monomer Waste (W-010)	Date:	Y	Y	ok	Y	Y	N	Ø
8	Monomer Waste (W-010)	Date:	Y	Y	ok	Y	Y	N	Ø
9	Monomer Waste (W-010)	Date:	Y	Y	ok	Y	Y	N	Ø

WASTE TRANSFERS / COMMENTS (PLEASE LOG ALL TRANSFERS WITH INDIVIDUAL CONTAINER WEIGHTS IN POUNDS)

UNCONTROLLED COPY
Printed: Wed Oct 20 08:20:35 EDT 2010; Expires: Thu Oct 21 08:20:35 EDT 2010
File Name: WYP0222 HAZARDOUS WASTE SATELLITE STORAGE LOG; Owner Name: Bryan, Jeff

HAZARDOUS WASTE < 90 DAY ACCUMULATIONS STORAGE AREA - INSPECTION/TRANSFER LOG
RETURN COMPLETED LOG TO SUPERVISOR TO BE FILED IN THE POLYOL DOCUMENT CENTER

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	Waste Aerosols (W-904) In Maintence Shop	Y	Y	Y	Y	ok	Y	Y	N	0

WASTE TRANSFERS / COMMENTS (PLEASE LOG ALL TRANSFERS WITH INDIVIDUAL CONTAINER WEIGHTS IN POUNDS

UNCONTROLLED COPY
Printed: Wed Oct 20 08:20:35 EDT 2010; Expires: Thu Oct 21 08:20:35 EDT 2010
File Name: WVP0222 HAZARDOUS WASTE SATELLITE STORAGE LOG; Owner Name: Bryan, Jeff

BASF Corporation	Title:	Hazardous Waste Satellite Storage Log		
Wya Polyol Plant	No.:	WYP0222	Page:	1 of 4

WASTE SATELLITE STORAGE AREA - INSPECTION/TRANSFER LOG

RETURN COMPLETED LOG TO SUPERVISOR TO BE FILED IN THE POLYOL DOCUMENT CENTER

SITE WASTE WARHOUSE HOURS MONDAY/WEDNESDAY 1-2PM, FRIDAY 10-11 AM

DATE: 10-20-10 TIME: 1045 INSPECTED BY (PRINT FULL NAME): Kevin L Keith

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2	#7 Jet Decanter Waste **(W-035)**	OK	Y	Y	Y	OK	Y	Y	N	O
1	Neutralized MDI Waste **(W-067)**	OK	Y	Y	Y	OK	Y	Y	N	O
11	Monomer Waste **(W-010)**	OK	Y	Y	Y	OK	Y	Y	N	O
	D702 Knock Out Waste **(P-025) (Would be located near Oxide KO pot at TO this waste is generated in relation with TO trips.)**	OK	Y	Y	Y	OK	Y	Y	N	O
12	Neutralized TDI Waste **(W-068)**	OK	Y	Y	Y	OK	Y	Y	N	O
13	Sugar/Pent/Polyol **(A-645)**	OK	Y	Y	Y	OK	Y	Y	N	O
15	Waste Toluene Filters (#3BB for carbon beds) **(W-799)**	OK	Y	Y	Y	OK	Y	Y	N	O
	Used Oil **(A-603-08)** Flammable Shed Maintence Pad	OK	Y	Y	Y	OK	Y	Y	N	O
	Polyol QA Waste **(W-760)** (Will be inside of retain room)	OK	Y	Y	Y	OK	Y	Y	N	O
	Crushed Glass **(A-616)** (Will be inside of retain room)	OK	Y	Y	Y	OK	Y	Y	N	O

UNCONTROLLED COPY
Printed: Wed Oct 20 08:20:35 EDT 2010; Expires: Thu Oct 21 08:20:35 EDT 2010
File Name: WYP0222 HAZARDOUS WASTE SATELLITE STORAGE LOG; Owner Name: Brvan. Jeff

BASF Corporation	Title:	Hazardous Waste Satellite Storage Log		
Wya Polyol Plant	No.:	WYP0222	Page:	3 of 4

HAZARDOUS WASTE < 90 DAY ACCUMULATIONS STORAGE AREA - INSPECTION/TRANSFER LOG
RETURN COMPLETED LOG TO SUPERVISOR TO BE FILED IN THE POLYOL DOCUMENT CENTER
SITE WASTE WARHOUSE HOURS MONDAY/WEDNESDAY 1-2PM, FRIDAY 10-11 AM

DATE: 10/13/10 TIME: 1410 INSPECTED BY (PRINT FULL NAME): Tom Slepp

[illegible]	[illegible]	START DATE ON LABEL IS <11 MONTHS	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1	Waste Batteries (U-800) Supervisor's Office (Dispose of >11 months)	OK	Y	Y	Y	Y	Y/Y	Y	N	—
2	Waste Batteries (U-800) Maintenance Shop (Dispose of >11 months)	OK	Y	Y	Y	Y	Y/Y	Y	N	—

WASTE TRANSFERS / COMMENTS (PLEASE LOG ALL TRANSFERS WITH INDIVIDUAL CONTAINER WEIGHTS IN POUNDS)

UNCONTROLLED COPY
Printed: Wed Oct 13 12:52:24 EDT 2010; Expires: Thu Oct 14 12:52:24 EDT 2010
File Name: WYP0222 HAZARDOUS WASTE SATELLITE STORAGE LOG; Owner Name: Bryan, Jeff

BASF Corporation	Title:	Hazardous Waste Satellite Storage Log		
Wya Polyol Plant	No.:	WYP0222	Page:	3 of 4

HAZARDOUS WASTE < 90 DAY ACCUMULATIONS STORAGE AREA - INSPECTION/TRANSFER LOG
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SITE WASTE WARHOUSE HOURS MONDAY/WEDNESDAY 1-2PM, FRIDAY 10-11 AM

DATE: 10/13/10 TIME: 1410 INSPECTED BY (PRINT FULL NAME): Tom Sleep

[illegible]	[illegible]	RECORD THE DATE OFF THE LABEL, IS IT <45 DAYS OLD?	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4	Monomer Waste (W-010)	Date: 10/5/10	Y	Y	Y3	N	Y	N	—
5	Monomer Waste (W-010)	Date: 10/11/10	Y	Y	Y3	Y	Y	N	—
6	Monomer Waste (W-010)	Date: 10/9/10	Y	Y	MT	Y	Y	N	—
7	Monomer Waste (W-010)	Date: 10/3/10	Y	Y	Y3	Y	Y	N	—
8	Monomer Waste (W-010)	Date: 10/8/10	Y	Y	Y4	Y	Y	N	—
9	Monomer Waste (W-010)	Date: 10/8/10	Y	Y	Y4	Y	Y	N	—

WASTE TRANSFERS / COMMENTS (PLEASE LOG ALL TRANSFERS WITH INDIVIDUAL CONTAINER WEIGHTS IN POUNDS)

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File Name: WYP0222 HAZARDOUS WASTE SATELLITE STORAGE LOG; Owner Name: Bryan, Jeff

HAZARDOUS WASTE < 90 DAY ACCUMULATIONS STORAGE AREA - INSPECTION/TRANSFER LOG
RETURN COMPLETED LOG TO SUPERVISOR TO BE FILED IN THE POLYOL DOCUMENT CENTER

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	Waste Aerosols (W-904) In Maintence Shop	Y	Y	Y	Y	MT	N	Y	N	—

WASTE TRANSFERS / COMMENTS (PLEASE LOG ALL TRANSFERS WITH INDIVIDUAL CONTAINER WEIGHTS IN POUNDS

UNCONTROLLED COPY
Printed: Wed Oct 13 12:52:24 EDT 2010; Expires: Thu Oct 14 12:52:24 EDT 2010
File Name: WYP0222 HAZARDOUS WASTE SATELLITE STORAGE LOG; Owner Name: Bryan, Jeff

BASF Corporation	Title:	Hazardous Waste Satellite Storage Log		
Wya Polyol Plant	No.:	WYP0222	Page:	1 of 4

WASTE SATELLITE STORAGE AREA - INSPECTION/TRANSFER LOG
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SITE WASTE WARHOUSE HOURS MONDAY/WEDNESDAY 1-2PM, FRIDAY 10-11 AM

DATE: 10/13/10 TIME: 1410 INSPECTED BY (PRINT FULL NAME): Tom Sleep

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2	#7 Jet Decanter Waste (W-035)	Y	Y	Y	Y	Y/4	Y	Y	N	—
1	Neutralized MDI Waste (W-067)	Y	Y	Y	Y	Y/4	N	Y	N	—
11	Monomer Waste (W-010)	Y	Y	Y	Y	Y3	Y	Y	N	—
	D702 Knock Out Waste (P-025) (Would be located near Oxide KO pot at TO this waste is generated in relation with TO trips.)			NO Drum						
12	Neutralized TDI Waste (W-068)	Y	Y	Y	Y	Y/4	Y	Y	N	—
13	Sugar/Pent/Polyol (A-645)	Y	Y	Y	Y	NT	N	Y	N	—
15	Waste Toluene Filters (#3BB for carbon beds) (W-799)	Y	Y	Y	Y	Y/2	N	Y	N	—
	Used Oil (A-603-08) Flammable Shed Maintence Pad	Y	Y	Y	Y	Y/2	N	N	N	—
	Polyol QA Waste (W-760) (Will be inside of retain room)	Y	Y	Y	Y	2/3	N	N	N	—
	Crushed Glass (A-616) (Will be inside of retain room)	Y	Y	Y	Y	3/4	N	N	N	—

UNCONTROLLED COPY
Printed: Wed Oct 13 12:52:24 EDT 2010; Expires: Thu Oct 14 12:52:24 EDT 2010
File Name: WYP0222 HAZARDOUS WASTE SATELLITE STORAGE LOG; Owner Name: Bryan, Jeff

BASF Corporation	Title:	Hazardous Waste Satellite Storage Log		
Wya Polyol Plant	No.:	WYP0222	Page:	3 of 4

HAZARDOUS WASTE < 90 DAY ACCUMULATIONS STORAGE AREA - INSPECTION/TRANSFER LOG
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SITE WASTE WARHOUSE HOURS MONDAY/WEDNESDAY 1-2PM, FRIDAY 10-11 AM

DATE: 10/6/10 TIME: 1300 INSPECTED BY (PRINT FULL NAME): Jason Wilson

[illegible]	[illegible]	START DATE ON LABEL IS <11 MONTHS	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1	Waste Batteries (U-800) Supervisor's Office **(Dispose of >11 months)**	Y	Y	Y	Y	Y	Y/4	Y	N	—
2	Waste Batteries (U-800) Maintenance Shop **(Dispose of >11 months)**	Y	Y	Y	Y	Y	Y/4	Y	N	—

WASTE TRANSFERS / COMMENTS (PLEASE LOG ALL TRANSFERS WITH INDIVIDUAL CONTAINER WEIGHTS IN POUNDS)

UNCONTROLLED COPY
Printed: Wed Oct 06 09:11:17 EDT 2010; Expires: Thu Oct 07 09:11:17 EDT 2010
File Name: WYP0222 HAZARDOUS WASTE SATELLITE STORAGE LOG; Owner Name: Bryan, Jeff

BASF Corporation	Title:	Hazardous Waste Satellite Storage Log		
Wya Polyol Plant	No.:	WYP0222	Page:	3 of 4

HAZARDOUS WASTE < 90 DAY ACCUMULATIONS STORAGE AREA - INSPECTION/TRANSFER LOG
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SITE WASTE WARHOUSE HOURS MONDAY/WEDNESDAY 1-2PM, FRIDAY 10-11 AM

DATE: 10/6/10 TIME: 1300 INSPECTED BY (PRINT FULL NAME): Jason Wilson

		RECORD THE DATE OFF THE LABEL, IS IT <45 DAYS OLD?							
4	Monomer Waste (W-010)	Date:	Y	Y		Y	Y	N	1
5	Monomer Waste (W-010)	Date:	Y	Y		Y	Y	N	
6	Monomer Waste (W-010)	Date:	Y	Y		Y	Y	N	1
7	Monomer Waste (W-010)	Date:	Y	Y		Y	Y	N	
8	Monomer Waste (W-010)	Date:	Y	Y		Y	Y	N	
9	Monomer Waste (W-010)	Date:	Y	Y		Y	Y	N	

WASTE TRANSFERS / COMMENTS (PLEASE LOG ALL TRANSFERS WITH INDIVIDUAL CONTAINER WEIGHTS IN POUNDS)

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HAZARDOUS WASTE < 90 DAY ACCUMULATIONS STORAGE AREA - INSPECTION/TRANSFER LOG
RETURN COMPLETED LOG TO SUPERVISOR TO BE FILED IN THE POLYOL DOCUMENT CENTER

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	Waste Aerosols (W-904) In Maintence Shop	Y	Y	Y	Y	1/4	N	Y	N	—

WASTE TRANSFERS / COMMENTS (PLEASE LOG ALL TRANSFERS WITH INDIVIDUAL CONTAINER WEIGHTS IN POUNDS

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BASF Corporation	Title:	Hazardous Waste Satellite Storage Log		
Wya Polyol Plant	No.:	WYP0222	Page:	1 of 4

WASTE SATELLITE STORAGE AREA - INSPECTION/TRANSFER LOG
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DATE: 10/6/10 TIME: 1300 INSPECTED BY (PRINT FULL NAME): Jason Wilson

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2	#7 Jet Decanter Waste (W-035)	Y	Y	Y	Y	1/2	Y	Y	N	—
1	Neutralized MDI Waste (W-067)	Y	Y	Y	Y	3/4	N	Y	N	—
11	Monomer Waste (W-010)	Y	Y	Y	Y		Y	Y	N	—
	D702 Knock Out Waste (P-025) **(Would be located near Oxide KO pot at TO this waste is generated in relation with TO trips.)**	Y	Y	Y	Y	F	Y	Y	N	1
12	Neutralized TDI Waste (W-068)	Y	Y	Y	Y	1/4	Y	Y	N	—
13	Sugar/Pent/Polyol (A-645)	Y	Y	Y	Y	1/4	N	Y	N	—
15	Waste Toluene Filters (#3BB for carbon beds) (W-799)	Y	Y	Y	Y	1/2	N	Y	N	—
	Used Oil (A-603-08) Flammable Shed Maintence Pad	Y	Y	Y	Y	2/3	Y	Y	N	—
	Polyol QA Waste (W-760) (Will be inside of retain room)	Y	Y	Y	Y	1/2	N	Y	N	—
	Crushed Glass (A-616) (Will be inside of retain room)	Y	Y	Y	Y	1/2	N	Y	N	—

UNCONTROLLED COPY
Printed: Wed Oct 06 09:11:17 EDT 2010; Expires: Thu Oct 07 09:11:17 EDT 2010
File Name: WYP0222 HAZARDOUS WASTE SATELLITE STORAGE.LOG; Owner Name: Bryan, Jeff

BASF Corporation	Title:	Hazardous Waste Satellite Storage Log		
Wya Polyol Plant	No.:	WYP0222	Page:	3 of 4

HAZARDOUS WASTE < 90 DAY ACCUMULATIONS STORAGE AREA - INSPECTION/TRANSFER LOG
RETURN COMPLETED LOG TO SUPERVISOR TO BE FILED IN THE POLYOL DOCUMENT CENTER
SITE WASTE WARHOUSE HOURS MONDAY/WEDNESDAY 1-2PM, FRIDAY 10-11 AM

DATE:_____ TIME:_____ INSPECTED BY (PRINT FULL NAME):_____

		START DATE ON LABEL IS <11 MONTHS								
1	Waste Batteries (U-800) Supervisor's Office **(Dispose of >11 months)**									
2	Waste Batteries (U-800) Maintenance Shop **(Dispose of >11 months)**									

WASTE TRANSFERS / COMMENTS (PLEASE LOG ALL TRANSFERS WITH INDIVIDUAL CONTAINER WEIGHTS IN POUNDS)

_____

_____

UNCONTROLLED COPY
Printed: Wed Sep 29 07:05:33 EDT 2010; Expires: Thu Sep 30 07:05:33 EDT 2010
File Name: WYP0222 HAZARDOUS WASTE SATELLITE STORAGE LOG; Owner Name: Bryan, Jeff

BASF Corporation	Title:	Hazardous Waste Satellite Storage Log		
Wya Polyol Plant	No.:	WYP0222	Page:	3 of 4

HAZARDOUS WASTE < 90 DAY ACCUMULATIONS STORAGE AREA - INSPECTION/TRANSFER LOG
RETURN COMPLETED LOG TO SUPERVISOR TO BE FILED IN THE POLYOL DOCUMENT CENTER
SITE WASTE WARHOUSE HOURS MONDAY/WEDNESDAY 1-2PM, FRIDAY 10-11 AM

DATE: 9-29-10 TIME: 1300 INSPECTED BY (PRINT FULL NAME): TODD J DUPERRON

		RECORD THE DATE OFF THE LABEL, IS IT <45 DAYS OLD?							
4	Monomer Waste (W-010)	Date:	Y	Y	8/3	Y	Y	N	1
5	Monomer Waste (W-010)	Date:	Y	Y	1/2	Y	Y	N	Ø
6	Monomer Waste (W-010)	Date:	Y	Y	1/2	Y	Y	N	Ø
7	Monomer Waste (W-010)	Date:	Y	Y	1/2	Y	Y	N	Ø
8	Monomer Waste (W-010)	Date:	Y	Y	1/3	Y	Y	N	1
9	Monomer Waste (W-010)	Date:	Y	Y	1/2	Y	Y	N	Ø

WASTE TRANSFERS / COMMENTS (PLEASE LOG ALL TRANSFERS WITH INDIVIDUAL CONTAINER WEIGHTS IN POUNDS)

UNCONTROLLED COPY
Printed: Wed Sep 29 07:05:33 EDT 2010; Expires: Thu Sep 30 07:05:33 EDT 2010
File Name: WYP0222 HAZARDOUS WASTE SATELLITE STORAGE LOG; Owner Name: Bryan, Jeff

HAZARDOUS WASTE < 90 DAY ACCUMULATIONS STORAGE AREA - INSPECTION/TRANSFER LOG
RETURN COMPLETED LOG TO SUPERVISOR TO BE FILED IN THE POLYOL DOCUMENT CENTER

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	Waste Aerosols (W-904) In Maintence Shop	Y	Y	Y	Y	MT	N	Y	N	Ø

WASTE TRANSFERS / COMMENTS (PLEASE LOG ALL TRANSFERS WITH INDIVIDUAL CONTAINER WEIGHTS IN POUNDS

UNCONTROLLED COPY
Printed: Wed Sep 29 07:05:33 EDT 2010; Expires: Thu Sep 30 07:05:33 EDT 2010
File Name. WYP0222 HAZARDOUS WASTE SATELLITE STORAGE LOG, Owner Name: Bryan, Jeff

BASF Corporation	Title:	Hazardous Waste Satellite Storage Log		
Wya Polyol Plant	No.:	WYP0222	Page:	1 of 4

WASTE SATELLITE STORAGE AREA - INSPECTION/TRANSFER LOG

RETURN COMPLETED LOG TO SUPERVISOR TO BE FILED IN THE POLYOL DOCUMENT CENTER

SITE WASTE WARHOUSE HOURS MONDAY/WEDNESDAY 1-2PM, FRIDAY 10-11 AM

DATE: 9-29-10 TIME: 1300 INSPECTED BY (PRINT FULL NAME): TODD J. DUPERRON

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2	#7 Jet Decanter Waste (W-035)	Y	Y	Y	Y	1/8	Y	Y	N	Ø
1	Neutralized MDI Waste (W-067)	Y	Y	Y	Y	1/4	N	Y	N	Ø
11	Monomer Waste (W-010)	Y	Y	Y	Y	1/3	Y	Y		Ø
	D702 Knock Out Waste **(P-025) (Would be located near Oxide KO pot at TO this waste is generated in relation with TO trips.)**	Y	Y	Y	Y	N/A	Y	Y	N	Ø
12	Neutralized TDI Waste (W-068)	Y	Y	Y	Y	1/4	Y	Y	N	Ø
13	Sugar/Pent/Polyol (A-645)	Y	Y	Y	Y	1/8	Y	Y	N	Ø
15	Waste Toluene Filters (#3BB for carbon beds) (W-799)	Y	Y	Y	Y	1/8	N	Y	N	Ø
	Used Oil (A-603-08) Flammable Shed Maintence Pad	Y	Y	Y	Y	1/2	N	Y	N	Ø
	Polyol QA Waste (W-760) (Will be inside of retain room)	Y	Y	Y	Y	1/2	Y	Y	N	Ø
	Crushed Glass (A-616) (Will be inside of retain room)	Y	Y	Y	Y	1/3	N	Y	N	Ø

UNCONTROLLED COPY
Printed: Wed Sep 29 07:05:33 EDT 2010; Expires: Thu Sep 30 07:05:33 EDT 2010
File Name: WYP0222 HAZARDOUS WASTE SATELLITE STORAGE LOG; Owner Name: Bryan, Jeff

BASF Corporation	Title:	Hazardous Waste Satellite Storage Log		
Wya Polyol Plant	No.:	WYP0222	Page:	3 of 4

HAZARDOUS WASTE < 90 DAY ACCUMULATIONS STORAGE AREA - INSPECTION/TRANSFER LOG
RETURN COMPLETED LOG TO SUPERVISOR TO BE FILED IN THE POLYOL DOCUMENT CENTER
SITE WASTE WARHOUSE HOURS MONDAY/WEDNESDAY 1-2PM, FRIDAY 10-11 AM

DATE:_____ TIME:_____ INSPECTED BY (PRINT FULL NAME):_____

[illegible]	[illegible]	START DATE ON LABEL IS <11 MONTHS	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1	Waste Batteries (U-800) Supervisor's Office (Dispose of >11 months)		Y	Y	Y	Y	OK	Y	N	0
2	Waste Batteries (U-800) Maintenance Shop (Dispose of >11 months)		Y	Y	Y	Y	OK	Y	N	0

WASTE TRANSFERS / COMMENTS (PLEASE LOG ALL TRANSFERS WITH INDIVIDUAL CONTAINER WEIGHTS IN POUNDS)
P-025 waste near styrene tank needs to go
Down on Friday the 24th

UNCONTROLLED COPY
Printed: Wed Sep 22 09:39:13 EDT 2010; Expires: Thu Sep 23 09:39:13 EDT 2010
File Name: WYP0222 HAZARDOUS WASTE SATELLITE STORAGE LOG; Owner Name: Bryan, Jeff

BASF Corporation	Title:	Hazardous Waste Satellite Storage Log		
Wya Polyol Plant	No.:	WYP0222	Page:	3 of 4

HAZARDOUS WASTE < 90 DAY ACCUMULATIONS STORAGE AREA - INSPECTION/TRANSFER LOG
RETURN COMPLETED LOG TO SUPERVISOR TO BE FILED IN THE POLYOL DOCUMENT CENTER
SITE WASTE WARHOUSE HOURS MONDAY/WEDNESDAY 1-2PM, FRIDAY 10-11 AM

DATE:_____ TIME:_____ INSPECTED BY (PRINT FULL NAME):_____

		RECORD THE DATE OFF THE LABEL; IS IT <45 DAYS OLD?							
4	Monomer Waste (W-010)	Date:	Y	Y	OK	Y	Y	~	O
5	Monomer Waste (W-010)	Date:	Y	Y	OK	Y	Y	~	O
6	Monomer Waste (W-010)	Date:	Y	Y	OK	Y	Y	~	O
7	Monomer Waste (W-010)	Date:	Y	Y	OK	Y	Y	~	O
8	Monomer Waste (W-010)	Date:	Y	Y	OK	Y	Y	~	O
9	Monomer Waste (W-010)	Date:	Y	Y	OK	Y	Y	~	O

WASTE TRANSFERS / COMMENTS (PLEASE LOG ALL TRANSFERS WITH INDIVIDUAL CONTAINER WEIGHTS IN POUNDS)

UNCONTROLLED COPY
Printed: Wed Sep 22 09:39:13 EDT 2010; Expires: Thu Sep 23 09:39:13 EDT 2010
File Name: WYP0222 HAZARDOUS WASTE SATELLITE STORAGE LOG; Owner Name: Bryan, Jeff

HAZARDOUS WASTE < 90 DAY ACCUMULATIONS STORAGE AREA - INSPECTION/TRANSFER LOG
RETURN COMPLETED LOG TO SUPERVISOR TO BE FILED IN THE POLYOL DOCUMENT CENTER

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	Waste Aerosols (W-904) In Maintence Shop	OK	Y	Y	Y	OK	Y	Y	N	O

WASTE TRANSFERS / COMMENTS (PLEASE LOG ALL TRANSFERS WITH INDIVIDUAL CONTAINER WEIGHTS IN POUNDS

UNCONTROLLED COPY
Printed: Wed Sep 22 09:39:13 EDT 2010; Expires: Thu Sep 23 09:39:13 EDT 2010
File Name: WYP0222 HAZARDOUS WASTE SATELLITE STORAGE LOG; Owner Name: Bryan, Jeff

BASF Corporation	Title:	Hazardous Waste Satellite Storage Log		
Wya Polyol Plant	No.:	WYP0222	Page:	1 of 4

WASTE SATELLITE STORAGE AREA - INSPECTION/TRANSFER LOG

RETURN COMPLETED LOG TO SUPERVISOR TO BE FILED IN THE POLYOL DOCUMENT CENTER

SITE WASTE WARHOUSE HOURS MONDAY/WEDNESDAY 1-2PM, FRIDAY 10-11 AM

DATE: 9-22-10 TIME: 900 INSPECTED BY (PRINT FULL NAME): Kevin L Kath

2	#7 Jet Decanter Waste (W-035)	Y	Y	Y	Y	OK	Y	Y	✓	O
1	Neutralized MDI Waste (W-067)	Y	Y	Y	Y	OK	Y	Y	✓	O
11	Monomer Waste (W-010)	Y	Y	Y	Y	OK	Y	Y	✓	O
	D702 Knock Out Waste (P-025) (Would be located near Oxide KO pot at TO this waste is generated in relation with TO trips.)	Y	Y	Y	Y	OK	Y	Y	✓	O
12	Neutralized TDI Waste (W-068)	Y	Y	Y	Y	OK	Y	Y	✓	O
13	Sugar/Pent/Polyol (A-645)	Y	Y	Y	Y	OK	Y	Y	✓	O
15	Waste Toluene Filters (#3BB for carbon beds) (W-799)	Y	Y	Y	Y	OK	Y	Y	✓	O
	Used Oil (A-603-08) Flammable Shed Maintence Pad	Y	Y	Y	Y	OK	Y	Y	✓	O
	Polyol QA Waste (W-760) (Will be inside of retain room)	Y	Y	Y	Y	OK	Y	Y	✓	O
	Crushed Glass (A-616) (Will be inside of retain room)	Y	Y	Y	Y	OK	Y	Y	✓	O

UNCONTROLLED COPY
Printed: Wed Sep 22 09:39:13 EDT 2010; Expires: Thu Sep 23 08:39:13 EDT 2010
File Name: WYP0222 HAZARDOUS WASTE SATELLITE STORAGE LOG; Owner Name. Bryen, Jeff

BASF Corporation	Title:	Hazardous Waste Satellite Storage Log		
Wya Polyol Plant	No.:	WYP0222	Page:	3 of 4

HAZARDOUS WASTE < 90 DAY ACCUMULATIONS STORAGE AREA - INSPECTION/TRANSFER LOG
RETURN COMPLETED LOG TO SUPERVISOR TO BE FILED IN THE POLYOL DOCUMENT CENTER
SITE WASTE WARHOUSE HOURS MONDAY/WEDNESDAY 1-2PM, FRIDAY 10-11 AM

DATE: 9/15/10 TIME: 945 INSPECTED BY (PRINT FULL NAME): Tom Sleep

		START DATE ON LABEL IS <11 MONTHS								
1	Waste Batteries (U-800) Supervisor's Office **(Dispose of >11 months)**	7/2/10	Y	Y	Y	Y	Y/Y	Y	N	—
2	Waste Batteries (U-800) Maintenance Shop **(Dispose of >11 months)**	7/21/10	Y	Y	Y	Y	Y/Y	Y	N	—

WASTE TRANSFERS / COMMENTS (PLEASE LOG ALL TRANSFERS WITH INDIVIDUAL CONTAINER WEIGHTS IN POUNDS)

UNCONTROLLED COPY
Printed: Wed Sep 15 08:48:59 EDT 2010; Expires: Thu Sep 16 08:48:59 EDT 2010
File Name: WYP0222 HAZARDOUS WASTE SATELLITE STORAGE LOG; Owner Name: Bryan, Jeff

BASF Corporation	Title:	Hazardous Waste Satellite Storage Log		
Wya Polyol Plant	No.:	WYP0222	Page:	3 of 4

HAZARDOUS WASTE < 90 DAY ACCUMULATIONS STORAGE AREA - INSPECTION/TRANSFER LOG
RETURN COMPLETED LOG TO SUPERVISOR TO BE FILED IN THE POLYOL DOCUMENT CENTER
SITE WASTE WARHOUSE HOURS MONDAY/WEDNESDAY 1-2PM, FRIDAY 10-11 AM

DATE: 9/15/10 TIME: 945 INSPECTED BY (PRINT FULL NAME): Tom Sleep

[illegible]	[illegible]	RECORD THE DATE OFF THE LABEL, IS IT ≤45 DAYS OLD?	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4	Monomer Waste (W-010)	Date: 9/14/10	Y	Y	Y/3	Y	Y	N	—
5	Monomer Waste (W-010)	Date: 9/13/10	Y	Y	Y/3	Y	Y	N	—
6	Monomer Waste (W-010)	Date: 9/13/10	Y	Y	Y/2	Y	Y	N	—
7	Monomer Waste (W-010)	Date: 9/13/10	Y	Y	Y/3	Y	Y	N	—
8	Monomer Waste (W-010)	Date: 9/11/10	Y	Y	Y/3	Y	Y	N	—
9	Monomer Waste (W-010)	Date: 9/9/10	Y	Y	Y/3	Y	Y	N	—

WASTE TRANSFERS / COMMENTS (PLEASE LOG ALL TRANSFERS WITH INDIVIDUAL CONTAINER WEIGHTS IN POUNDS)

UNCONTROLLED COPY
Printed: Wed Sep 15 08:48:59 EDT 2010; Expires: Thu Sep 16 08:48:59 EDT 2010
File Name: WYP0222 HAZARDOUS WASTE SATELLITE STORAGE LOG; Owner Name: Bryan, Jeff

HAZARDOUS WASTE < 90 DAY ACCUMULATIONS STORAGE AREA - INSPECTION/TRANSFER LOG
RETURN COMPLETED LOG TO SUPERVISOR TO BE FILED IN THE POLYOL DOCUMENT CENTER

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	Waste Aerosols (W-904) In Maintence Shop	Y	Y	Y	Y	3/4	N	Y	N	—

WASTE TRANSFERS / COMMENTS (PLEASE LOG ALL TRANSFERS WITH INDIVIDUAL CONTAINER WEIGHTS IN POUNDS

UNCONTROLLED COPY
Printed: Wed Sep 15 08:48:59 EDT 2010; Expires: Thu Sep 16 08:48:59 EDT 2010
File Name. WYP0222 HAZARDOUS WASTE SATELLITE STORAGE LOG; Owner Name: Bryan, Jeff

BASF Corporation	Title:	Hazardous Waste Satellite Storage Log		
Wya Polyol Plant	No.:	WYP0222	Page:	1 of 4

WASTE SATELLITE STORAGE AREA - INSPECTION/TRANSFER LOG

RETURN COMPLETED LOG TO SUPERVISOR TO BE FILED IN THE POLYOL DOCUMENT CENTER

SITE WASTE WARHOUSE HOURS MONDAY/WEDNESDAY 1-2PM, FRIDAY 10-11 AM

DATE: 9/15/10 TIME: 945 INSPECTED BY (PRINT FULL NAME): Tom Sleep

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2	#7 Jet Decanter Waste (W-035)	Y	Y	Y	Y	Y/3	Y	Y	N	—
1	Neutralized MDI Waste (W-067)									
11	Monomer Waste (W-010)	Y	Y	Y	Y	Y/2	Y	Y	N	—
	D702 Knock Out Waste (P-025) (Would be located near Oxide KO pot at TO this waste is generated in relation with TO trips.)	Y	Y	Y	Y	2/3	Y	Y	N	1
12	Neutralized TDI Waste (W-068)	Y	Y	Y	Y	Y/4	Y	Y	N	—
13	Sugar/Pent/Polyol (A-645)	Y	Y	Y	Y	MT	N	Y	N	—
15	Waste Toluene Filters (#3BB for carbon beds) (W-799)	Y	Y	Y	Y	Y/4	N	Y	N	—
	Used Oil (A-603-08) Flammable Shed Maintence Pad	Y	Y	Y	Y	Y/3	N	N	N	—
	Polyol QA Waste (W-760) (Will be inside of retain room)	Y	Y	Y	Y	2/3	N	N	N	—
	Crushed Glass (A-616) (Will be inside of retain room)	Y	Y	Y	Y	2/3	N	N	N	—

UNCONTROLLED COPY
Printed: Wed Sep 15 08:48:59 EDT 2010; Expires: Thu Sep 16 08:48:59 EDT 2010
File Name: WYP0222 HAZARDOUS WASTE SATELLITE STORAGE LOG; Owner Name: Bryan, Jeff

BASF Corporation	Title:	Hazardous Waste Satellite Storage Log		
Wya Polyol Plant	No.:	WYP0222	Page:	3 of 4

HAZARDOUS WASTE < 90 DAY ACCUMULATIONS STORAGE AREA - INSPECTION/TRANSFER LOG
RETURN COMPLETED LOG TO SUPERVISOR TO BE FILED IN THE POLYOL DOCUMENT CENTER
SITE WASTE WARHOUSE HOURS MONDAY/WEDNESDAY 1-2PM, FRIDAY 10-11 AM

DATE: 9/8/10 TIME: 0830 INSPECTED BY (PRINT FULL NAME): Jason Wilson

[illegible]	[illegible]	START DATE ON LABEL IS <11 MONTHS	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1	Waste Batteries (U-800) Supervisor's Office **(Dispose of >11 months)**	Y	Y	Y	Y	Y	1/4	Y	N	
2	Waste Batteries (U-800) Maintenance Shop **(Dispose of >11 months)**	Y	Y	Y	Y	Y	1/4	Y	N	

WASTE TRANSFERS / COMMENTS (PLEASE LOG ALL TRANSFERS WITH INDIVIDUAL CONTAINER WEIGHTS IN POUNDS)

UNCONTROLLED COPY
Printed: Wed Sep 08 08:47:18 EDT 2010; Expires: Thu Sep 09 08:47:18 EDT 2010
File Name: WYP0222 HAZARDOUS WASTE SATELLITE STORAGE LOG; Owner Name: Bryan, Jeff

BASF Corporation	Title:	Hazardous Waste Satellite Storage Log		
Wya Polyol Plant	No.:	WYP0222	Page:	3 of 4

HAZARDOUS WASTE < 90 DAY ACCUMULATIONS STORAGE AREA - INSPECTION/TRANSFER LOG
RETURN COMPLETED LOG TO SUPERVISOR TO BE FILED IN THE POLYOL DOCUMENT CENTER
SITE WASTE WARHOUSE HOURS MONDAY/WEDNESDAY 1-2PM, FRIDAY 10-11 AM

DATE: 9/8/10 TIME: 0830 INSPECTED BY (PRINT FULL NAME): Jason Wilson

[illegible]	[illegible]	RECORD THE DATE OFF THE LABEL. IS IT <45 DAYS OLD?	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4	Monomer Waste (W-010)	Date: 9/7	Y	Y	2/3	Y	Y	N	1
5	Monomer Waste (W-010)	Date: 9/7	Y	Y	2/3	Y	Y	N	2
6	Monomer Waste (W-010)	Date: 9/8	Y	Y	1/2	Y	Y	N	
7	Monomer Waste (W-010)	Date: 9/3	Y	Y	1/2	Y	Y	N	1
8	Monomer Waste (W-010)	Date: 8/26	Y	Y	2/3	Y	Y	N	
9	Monomer Waste (W-010)	Date: 8/28	Y	Y	2/3	Y	Y	N	1

WASTE TRANSFERS / COMMENTS (PLEASE LOG ALL TRANSFERS WITH INDIVIDUAL CONTAINER WEIGHTS IN POUNDS)

UNCONTROLLED COPY
Printed: Wed Sep 08 08:47:18 EDT 2010, Expires: Thu Sep 09 08:47:18 EDT 2010
File Name: WYP0222 HAZARDOUS WASTE SATELLITE STORAGE LOG; Owner Name: Bryan, Jeff

HAZARDOUS WASTE < 90 DAY ACCUMULATIONS STORAGE AREA - INSPECTION/TRANSFER LOG
RETURN COMPLETED LOG TO SUPERVISOR TO BE FILED IN THE POLYOL DOCUMENT CENTER

	Waste Aerosols (W-904) In Maintence Shop	Y	Y	Y	Y	3/4	N	Y	N	

WASTE TRANSFERS / COMMENTS (PLEASE LOG ALL TRANSFERS WITH INDIVIDUAL CONTAINER WEIGHTS IN POUNDS

UNCONTROLLED COPY
Printed: Wed Sep 08 08:47:18 EDT 2010; Expires: Thu Sep 09 08:47:18 EDT 2010
File Name. WYP0222 HAZARDOUS WASTE SATELLITE STORAGE LOG; Owner Name: Bryan, Jeff

BASF Corporation	Title:	Hazardous Waste Satellite Storage Log		
Wya Polyol Plant	No.:	WYP0222	Page:	1 of 4

WASTE SATELLITE STORAGE AREA - INSPECTION/TRANSFER LOG

RETURN COMPLETED LOG TO SUPERVISOR TO BE FILED IN THE POLYOL DOCUMENT CENTER

SITE WASTE WARHOUSE HOURS MONDAY/WEDNESDAY 1-2PM, FRIDAY 10-11 AM

DATE: 9/8/10 TIME: 0830 INSPECTED BY (PRINT FULL NAME): Jason Wilson

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2	#7 Jet Decanter Waste (W-035)	Y	Y	Y	Y	1/3	Y	Y	N	
1	Neutralized MDI Waste (W-067)	Y	Y	Y	Y	1/3	N	Y	N	
11	Monomer Waste (W-010)	Y	Y	Y	Y	1/3	Y	Y	N	
	D702 Knock Out Waste (P-025) **(Would be located near Oxide KO pot at TO this waste is generated in relation with TO trips.)**	Y	Y	Y	Y	3/4	N	Y	N	1
12	Neutralized TDI Waste (W-068)	Y	Y	Y	Y	1/3	Y	Y	N	
13	Sugar/Pent/Polyol (A-645)	Y	Y	Y	Y	1/3	N	Y	N	
15	Waste Toluene Filters (#3BB for carbon beds) (W-799)	Y	Y	Y	Y	1/3	N	Y	N	
	Used Oil (A-603-08) Flammable Shed Maintence Pad	Y	Y	Y	Y	1/2	Y	Y	N	
	Polyol QA Waste (W-760) (Will be inside of retain room)	Y	Y	Y	Y	1/2	N	Y	N	
	Crushed Glass (A-616) (Will be inside of retain room)	Y	Y	Y	Y	1/2	N	Y	N	

UNCONTROLLED COPY
Printed: Wed Sep 08 08:47:18 EDT 2010; Expires: Thu Sep 09 08:47:18 EDT 2010
File Name: WYP0222 HAZARDOUS WASTE SATELLITE STORAGE LOG; Owner Name: Bryan, Jeff

BASF Corporation	Title:	Hazardous Waste Satellite Storage Log		
Wya Polyol Plant	No.:	WYP0222	Page:	3 of 4

HAZARDOUS WASTE < 90 DAY ACCUMULATIONS STORAGE AREA - INSPECTION/TRANSFER LOG
RETURN COMPLETED LOG TO SUPERVISOR TO BE FILED IN THE POLYOL DOCUMENT CENTER
SITE WASTE WARHOUSE HOURS MONDAY/WEDNESDAY 1-2PM, FRIDAY 10-11 AM

DATE: 9-1-10 TIME: 1300 INSPECTED BY (PRINT FULL NAME): TODD J. DUPERRON

[illegible]	[illegible]	START DATE ON LABEL IS <11 MONTHS	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1	Waste Batteries (U-800) Supervisor's Office **(Dispose of >11 months)**	Y	Y	Y	Y	Y	1/4	Y	N	Ø
2	Waste Batteries (U-800) Maintenance Shop **(Dispose of >11 months)**	Y	Y	Y	Y	Y	1/4	Y	N	Ø

WASTE TRANSFERS / COMMENTS (PLEASE LOG ALL TRANSFERS WITH INDIVIDUAL CONTAINER WEIGHTS IN POUNDS)

UNCONTROLLED COPY
Printed: Wed Sep 01 07:42:47 EDT 2010, Expires: Thu Sep 02 07:42:47 EDT 2010
File Name: WYP0222 HAZARDOUS WASTE SATELLITE STORAGE LOG; Owner Name: Bryan, Jeff

BASF Corporation	Title:	Hazardous Waste Satellite Storage Log		
Wya Polyol Plant	No.:	WYP0222	Page:	3 of 4

HAZARDOUS WASTE < 90 DAY ACCUMULATIONS STORAGE AREA - INSPECTION/TRANSFER LOG
RETURN COMPLETED LOG TO SUPERVISOR TO BE FILED IN THE POLYOL DOCUMENT CENTER
SITE WASTE WARHOUSE HOURS MONDAY/WEDNESDAY 1-2PM, FRIDAY 10-11 AM

DATE: 9-1-10 TIME: 1300 INSPECTED BY (PRINT FULL NAME): TODD J. DUPERRON

[illegible]	[illegible]	RECORD THE DATE OFF THE LABEL: IS IT <45 DAYS OLD?	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4	Monomer Waste (W-010)	Date: 8-31	Y	Y	1/3	Y	Y	N	Ø
5	Monomer Waste (W-010)	Date: 8-7	Y	Y	1/2	Y	Y	N	Ø
6	Monomer Waste (W-010)	Date: 8-24	Y	Y	1/3	Y	Y	N	Ø
7	Monomer Waste (W-010)	Date: 7-20	Y	Y	1/2	Y	Y	N	Ø
8	Monomer Waste (W-010)	Date: 8-26	Y	Y	1/3	Y	Y	N	Ø
9	Monomer Waste (W-010)	Date: 8-28	Y	Y	1/3	Y	Y	N	Ø

WASTE TRANSFERS / COMMENTS (PLEASE LOG ALL TRANSFERS WITH INDIVIDUAL CONTAINER WEIGHTS IN POUNDS)

UNCONTROLLED COPY
Printed: Wed Sep 01 07:42:47 EDT 2010; Expires: Thu Sep 02 07:42:47 EDT 2010
File Name: WYP0222 HAZARDOUS WASTE SATELLITE STORAGE LOG; Owner Name: Bryan, Jeff

HAZARDOUS WASTE < 90 DAY ACCUMULATIONS STORAGE AREA - INSPECTION/TRANSFER LOG
RETURN COMPLETED LOG TO SUPERVISOR TO BE FILED IN THE POLYOL DOCUMENT CENTER

	Waste Aerosols **(W-904)** In Maintence Shop	Y	Y	Y	Y	2/3	N	Y	N	Ø

WASTE TRANSFERS / COMMENTS (PLEASE LOG ALL TRANSFERS WITH INDIVIDUAL CONTAINER WEIGHTS IN POUNDS

UNCONTROLLED COPY
Printed: Wed Sep 01 07:42:47 EDT 2010; Expires: Thu Sep 02 07:42:47 EDT 2010
File Name: WYP0222 HAZARDOUS WASTE SATELLITE STORAGE LOG; Owner Name: Bryan, Jeff

BASF Corporation	Title:	Hazardous Waste Satellite Storage Log		
Wya Polyol Plant	No.:	WYP0222	Page:	1 of 4

WASTE SATELLITE STORAGE AREA - INSPECTION/TRANSFER LOG

RETURN COMPLETED LOG TO SUPERVISOR TO BE FILED IN THE POLYOL DOCUMENT CENTER

SITE WASTE WARHOUSE HOURS MONDAY/WEDNESDAY 1-2PM, FRIDAY 10-11 AM

DATE: 9-1-10 TIME: 1300 INSPECTED BY (PRINT FULL NAME): TODD J. DUPERRON

2	#7 Jet Decanter Waste (W-035)	Y	Y	Y	Y	1/2	Y	Y	N	Ø
1	Neutralized MDI Waste (W-067)	Y	Y	Y	Y	1/2	N	Y	N	Ø
11	Monomer Waste (W-010)	Y	Y	Y	Y	1/8	Y	Y	N	Ø
	D702 Knock Out Waste (P-025) (Would be located near Oxide KO pot at TO this waste is generated in relation with TO trips.)	Y	Y	Y	Y	N/A	N/A	Y	N	Ø
12	Neutralized TDI Waste (W-068)	Y	Y	Y	Y	1/2	Y	Y	N	Ø
13	Sugar/Pent/Polyol (A-645)	Y	Y	Y	Y	1/4	Y	Y	N	Ø
15	Waste Toluene Filters (#3BB for carbon beds) (W-799)	Y	Y	Y	Y	1/4	N/A	Y	N	Ø
	Used Oil (A-603-08) Flammable Shed Maintence Pad	Y	Y	Y	Y	1/2	Y	Y	N	Ø
	Polyol QA Waste (W-760) (Will be inside of retain room)	Y	Y	Y	Y	1/2	Y	Y	N	Ø
	Crushed Glass (A-616) (Will be inside of retain room)	Y	Y	Y	Y	1/2	N	Y	N	Ø

UNCONTROLLED COPY
Printed: Wed Sep 01 07:42:47 EDT 2010; Expires: Thu Sep 02 07:42:47 EDT 2010
File Name: WYP0222 HAZARDOUS WASTE SATELLITE STORAGE LOG; Owner Name: Bryan, Jeff

BASF Corporation	Title:	Hazardous Waste Satellite Storage Log		
Wya Polyol Plant	No.:	WYP0222	Page:	3 of 4

HAZARDOUS WASTE < 90 DAY ACCUMULATIONS STORAGE AREA - INSPECTION/TRANSFER LOG

RETURN COMPLETED LOG TO SUPERVISOR TO BE FILED IN THE POLYOL DOCUMENT CENTER

SITE WASTE WARHOUSE HOURS MONDAY/WEDNESDAY 1-2PM, FRIDAY 10-11 AM

DATE: 7-26-10 TIME: 1030 INSPECTED BY (PRINT FULL NAME): Kevin L. Keith

[illegible]	[illegible]	START DATE ON LABEL IS <11 MONTHS	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1	Waste Batteries **(U-800)** Supervisor's Office **(Dispose of >11 months)**	7-1-10	Y	Y	Y	Y	½	Y	N/A	0
2	Waste Batteries **(U-800)** Maintenance Shop **(Dispose of >11 months)**									

WASTE TRANSFERS / COMMENTS (PLEASE LOG ALL TRANSFERS WITH INDIVIDUAL CONTAINER WEIGHTS IN POUNDS)

UNCONTROLLED COPY
Printed: Mon Jul 26 10:22:17 EDT 2010; Expires: Tue Jul 27 10:22:17 EDT 2010
File Name: WYP0222 HAZARDOUS WASTE SATELLITE STORAGE LOG(6.0); Owner Name: Bryan, Jeff

BASF Corporation	Title:	Hazardous Waste Satellite Storage Log		
Wya Polyol Plant	No.:	WYP0222	Page:	3 of 4

HAZARDOUS WASTE < 90 DAY ACCUMULATIONS STORAGE AREA - INSPECTION/TRANSFER LOG
RETURN COMPLETED LOG TO SUPERVISOR TO BE FILED IN THE POLYOL DOCUMENT CENTER
SITE WASTE WARHOUSE HOURS MONDAY/WEDNESDAY 1-2PM, FRIDAY 10-11 AM

DATE: 7-26-10 TIME: 1030 INSPECTED BY (PRINT FULL NAME): Kevin L Keith

AREA NUMBER	DESCRIPTION	RECORD THE DATE OFF THE LABEL, IS IT <45 DAYS OLD?	CLOSED PROPERLY	DRUMS CLEAN	EXPIRED LIST OF STORAGE	DRUM STORAGE	CONTAINERS TIGHTLY CLOSED	PLACED ON PALLETS	ADDRESS SPILLS OR LEAKS
4	Monomer Waste (W-010)	Date: 7-25-10	Y	Y	Y	Y	Y	Y	1
5	Monomer Waste (W-010)	Date: 7-25-10	Y	Y	Y	Y	Y	N/A	
6	Monomer Waste (W-010)	Date: 7-25-10	Y	Y	Y	Y	Y	N/A	
7	Monomer Waste (W-010)	Date: 7-25-10	Y	Y	Y	Y	Y	N/A	
8	Monomer Waste (W-010)	Date: 7-25-10	Y	Y	Y	Y	Y	N/A	
9	Monomer Waste (W-010)	Date: 7-25-10	Y	Y	Y	Y	Y	N/A	

WASTE TRANSFERS / COMMENTS (PLEASE LOG ALL TRANSFERS WITH INDIVIDUAL CONTAINER WEIGHTS IN POUNDS)

UNCONTROLLED COPY
Printed: Mon Jul 26 10:22:17 EDT 2010, Expires: Tue Jul 27 10:22:17 EDT 2010
File Name: WYP0222 HAZARDOUS WASTE SATELLITE STORAGE LOG(6.0); Owner Name: Bryan, Jeff

HAZARDOUS WASTE < 90 DAY ACCUMULATIONS STORAGE AREA - INSPECTION/TRANSFER LOG
RETURN COMPLETED LOG TO SUPERVISOR TO BE FILED IN THE POLYOL DOCUMENT CENTER

[illegible]	DESCRIPTION	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	Waste Aerosols (W-904) In Maintence Shop	Y	Y	Y	Y	Y	Y	Y	NA	0

WASTE TRANSFERS / COMMENTS (PLEASE LOG ALL TRANSFERS WITH INDIVIDUAL CONTAINER WEIGHTS IN POUNDS

UNCONTROLLED COPY
Printed: Mon Jul 26 10:22:17 EDT 2010; Expires: Tue Jul 27 10:22:17 EDT 2010
File Name: W0000 HAZARDOUS WASTE SATELLITE STORAGE LOG(8.0); Owner Name: Brian, Jeff

BASF Corporation	Title:	Hazardous Waste Satellite Storage Log		
Wya Polyol Plant	No.:	WYP0222	Page:	1 of 4

WASTE SATELLITE STORAGE AREA - INSPECTION/TRANSFER LOG

RETURN COMPLETED LOG TO SUPERVISOR TO BE FILED IN THE POLYOL DOCUMENT CENTER

SITE WASTE WARHOUSE HOURS MONDAY/WEDNESDAY 1-2PM, FRIDAY 10-11 AM

DATE: 7-26-10 TIME: 1030 INSPECTED BY (PRINT FULL NAME): Kevin C. Kerk

[illegible]	DESCRIPTION	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2	#7 Jet Decanter Waste **(W-035)**	Y	Y	Y	Y	½	Y	Y	NA	0
1	Neutralized MDI Waste **(W-067)**	Y	Y	Y	Y	½	Y	Y	NA	0
11	Monomer Waste **(W-010)**	Y	Y	Y	Y	½	Y	Y	Y	2
	D702 Knock Out Waste **(P-025) (Would be located near Oxide KO pot at TO this waste is generated in relation with TO trips.)**				NA					
12	Neutralized TDI Waste **(W-068)**	Y	Y	Y	Y	½	Y	Y	NA	0
13	Sugar/Pent/Polyol **(A-645)**	Y	Y	Y	Y	½	Y	Y	NA	0
15	Waste Toluene Filters (#3BB for carbon beds) **(W-799)**	Y	Y	Y	Y	½	Y	Y	N/A	0
	Used Oil **(A-603-08)** Flammable Shed Maintence Pad	Y	Y	Y	Y	½	Y	Y	NA	0
	Polyol QA Waste **(W-760)** (Will be inside of retain room)	Y	Y	Y	Y	½	Y	Y	NA	0
	Crushed Glass **(A-616)** (Will be inside of retain room)	Y	Y	Y	Y	½	Y	Y	NA	0

UNCONTROLLED COPY
Printed: Mon Jul 26 10:22:17 EDT 2010; Expires: Tue Jul 27 10:22:17 EDT 2010
File Name: WYP0222 HAZARDOUS WASTE SATELLITE STORAGE LOG(6.0): Owner Name: Bryan, Jeff

BASF Corporation	Title:	Hazardous Waste Satellite Storage Log		
Wya Polyol Plant	No.:	WYP0222	Page:	3 of 4

HAZARDOUS WASTE < 90 DAY ACCUMULATIONS STORAGE AREA - INSPECTION/TRANSFER LOG
RETURN COMPLETED LOG TO SUPERVISOR TO BE FILED IN THE POLYOL DOCUMENT CENTER
SITE WASTE WARHOUSE HOURS MONDAY/WEDNESDAY 1-2PM, FRIDAY 10-11 AM

DATE: 7/19/10 TIME: 1400 INSPECTED BY (PRINT FULL NAME): JERRY FIGURSKI

[illegible]	[illegible]	START DATE ON LABEL IS <11 MONTHS	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1	Waste Batteries **(U-800)** Supervisor's Office **(Dispose of >11 months)**	OK	OK	OK	OK	OK	PART	OK	NO	N/A
2	Waste Batteries **(U-800)** Maintenance Shop **(Dispose of >11 months)**	OK	OK	OK	OK	OK	PART	OK	NO	N/A

WASTE TRANSFERS / COMMENTS (PLEASE LOG ALL TRANSFERS WITH INDIVIDUAL CONTAINER WEIGHTS IN POUNDS)

UNCONTROLLED COPY
Printed: Tue Jul 20 15:25:32 EDT 2010; Expires: Wed Jul 21 15:25:32 EDT 2010
File Name: WYP0222 HAZARDOUS WASTE SATELLITE STORAGE LOG(6.0); Owner Name: Bryan Jeff

BASF Corporation	Title:	Hazardous Waste Satellite Storage Log		
Wya Polyol Plant	No.:	WYP0222	Page:	3 of 4

HAZARDOUS WASTE < 90 DAY ACCUMULATIONS STORAGE AREA - INSPECTION/TRANSFER LOG
RETURN COMPLETED LOG TO SUPERVISOR TO BE FILED IN THE POLYOL DOCUMENT CENTER
SITE WASTE WARHOUSE HOURS MONDAY/WEDNESDAY 1-2PM, FRIDAY 10-11 AM

DATE: 7-19-10 TIME: 1400 INSPECTED BY (PRINT FULL NAME): JERRY FIGURSKI

[illegible]	DESCRIPTION	RECORD THE DATE OFF THE LABEL, IS IT <45 DAYS OLD?	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4	Monomer Waste (W-010)	Date: 7-20	OK	OK	PART	OK	OK	NO	N/A
5	Monomer Waste (W-010)	Date: 6-23	OK	OK	PART	OK	OK	NO	N/A
6	Monomer Waste (W-010)	Date: 7-20	OK	OK	PART	OK	OK	NO	N/A
7	Monomer Waste (W-010)	Date: 7-20	OK	OK	PART	OK	OK	NO	N/A
8	Monomer Waste (W-010)	Date: 7-17	OK	OK	PART	OK	OK	NO	N/A
9	Monomer Waste (W-010)	Date: 6-23	OK	OK	PART	OK	OK	NO	N/A
				# 3	PLT				
					Down				

WASTE TRANSFERS / COMMENTS (PLEASE LOG ALL TRANSFERS WITH INDIVIDUAL CONTAINER WEIGHTS IN POUNDS)

UNCONTROLLED COPY
Printed: Tue Jul 20 16:26:32 EDT 2010; Expires: Wed Jul 21 15:25:32 EDT 2010
File Name: WYP0222 HAZARDOUS WASTE SATELLITE STORAGE LOG.doc; Owner Name: Bryan, Jeff

HAZARDOUS WASTE < 90 DAY ACCUMULATIONS STORAGE AREA - INSPECTION/TRANSFER LOG
RETURN COMPLETED LOG TO SUPERVISOR TO BE FILED IN THE POLYOL DOCUMENT CENTER

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	Waste Aerosols (W-904) In Maintence Shop	OK	OK	OK	OK	PART	OK	OK	NO	N/A

WASTE TRANSFERS / COMMENTS (PLEASE LOG ALL TRANSFERS WITH INDIVIDUAL CONTAINER WEIGHTS IN POUNDS

UNCONTROLLED COPY
Printed: Tue Jul 20 15:25:32 EDT 2010; Expires: Wed Jul 21 15:25:32 EDT 2010
File Name: WYP0222 HAZARDOUS WASTE SATELLITE STORAGE LOG(6.0); Owner Name: Bryan, Jeff

BASF Corporation	Title:	Hazardous Waste Satellite Storage Log		
Wya Polyol Plant	No.:	WYP0222	Page:	1 of 4

WASTE SATELLITE STORAGE AREA - INSPECTION/TRANSFER LOG

RETURN COMPLETED LOG TO SUPERVISOR TO BE FILED IN THE POLYOL DOCUMENT CENTER

SITE WASTE WARHOUSE HOURS MONDAY/WEDNESDAY 1-2PM, FRIDAY 10-11 AM

DATE: 7/19/10 TIME: 1400 INSPECTED BY (PRINT FULL NAME): JERRY FIGURSKI

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2	#7 Jet Decanter Waste **(W-035)**	OK	OK	OK	OK	PART	OK	OK	NO	N/A
1	Neutralized MDI Waste **(W-067)**	OK	OK	OK	OK	PART	OK	OK	NO	N/A
11	Monomer Waste **(W-010)**	OK	OK	OK	OK	PART	OK	OK	NO	N/A
	D702 Knock Out Waste **(P-025) (Would be located near Oxide KO pot at TO this waste is generated in relation with TO trips.)**		NO		DRUM					
12	Neutralized TDI Waste **(W-068)**	OK	OK	OK	OK	PART	OK	OK	NO	N/A
13	Sugar/Pent/Polyol **(A-645)**	OK	OK	OK	OK	PART	OK	OK	NO	N/A
15	Waste Toluene Filters (#3BB for carbon beds) **(W-799)**	OK	OK	OK	OK	PART	OK	OK	NO	N/A
	Used Oil **(A-603-08)** Flammable Shed Maintence Pad	OK	OK	OK	OK	PART	OK	OK	NO	N/A
	Polyol QA Waste **(W-760)** (Will be inside of retain room)	OK	OK	OK	OK	PART	OK	OK	NO	N/A
	Crushed Glass **(A-616)** (Will be inside of retain room)	OK	OK	OK	OK	PART	OK	OK	NO	N/A

UNCONTROLLED COPY
Printed: Tue Jul 20 15:25:32 EDT 2010; Expires: Wed Jul 21 15:25:32 EDT 2010
File Name: WYP0222 HAZARDOUS WASTE SATELLITE STORAGE LOG(6.0); Owner Name: Bryan, Jeff

BASF Corporation	Title:	Hazardous Waste Satellite Storage Log		
Wya Polyol Plant	No.:	WYP0222	Page:	3 of 4

HAZARDOUS WASTE < 90 DAY ACCUMULATIONS STORAGE AREA - INSPECTION/TRANSFER LOG
RETURN COMPLETED LOG TO SUPERVISOR TO BE FILED IN THE POLYOL DOCUMENT CENTER
SITE WASTE WARHOUSE HOURS MONDAY/WEDNESDAY 1-2PM, FRIDAY 10-11 AM

DATE: 7/14/10 TIME: 1130 INSPECTED BY (PRINT FULL NAME): Jason Wilson

		START DATE ON LABEL IS <11 MONTHS								
1	Waste Batteries (U-800) Supervisor's Office (Dispose of >11 months)	N	N	Y	Y	Y	1/4	Y	N	Ø
2	Waste Batteries (U-800) Maintenance Shop (Dispose of >11 months)	No		Bucket						

WASTE TRANSFERS / COMMENTS (PLEASE LOG ALL TRANSFERS WITH INDIVIDUAL CONTAINER WEIGHTS IN POUNDS)

UNCONTROLLED COPY
Printed: Wed Jul 14 06:39:18 EDT 2010; Expires: Thu Jul 15 06:39:18 EDT 2010
File Name: WYP0222 HAZARDOUS WASTE SATELLITE STORAGE LOG(6.0); Owner Name: Bryan, Jeff

BASF Corporation	Title:	Hazardous Waste Satellite Storage Log		
Wya Polyol Plant	No.:	WYP0222	Page:	3 of 4

HAZARDOUS WASTE < 90 DAY ACCUMULATIONS STORAGE AREA - INSPECTION/TRANSFER LOG
RETURN COMPLETED LOG TO SUPERVISOR TO BE FILED IN THE POLYOL DOCUMENT CENTER
SITE WASTE WARHOUSE HOURS MONDAY/WEDNESDAY 1-2PM, FRIDAY 10-11 AM

DATE: 7/14/10 TIME: 1730 INSPECTED BY (PRINT FULL NAME): Jason Wilson

[illegible]	[illegible]	RECORD THE DATE OFF THE LABEL, IS IT <45 DAYS OLD?	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4	Monomer Waste (W-010)	Date: 7/6	Y	Y	3/4	Y	Y	N	Ø
5	Monomer Waste (W-010)	Date: 6/23	Y	Y	3/4	Y	Y	N	Ø
6	Monomer Waste (W-010)	Date: 6/25	Y	Y	1/2	Y	Y	N	Ø
7	Monomer Waste (W-010)	Date: 6/12	Y	Y	1/2	Y	Y	N	Ø
8	Monomer Waste (W-010)	Date: 6/18	Y	Y	3/4	Y	Y	N	Ø
9	Monomer Waste (W-010)	Date: 6/23	Y	Y	1/2	Y	Y	N	Ø

WASTE TRANSFERS / COMMENTS (PLEASE LOG ALL TRANSFERS WITH INDIVIDUAL CONTAINER WEIGHTS IN POUNDS)

UNCONTROLLED COPY
Printed: Wed Jul 14 06:39:18 EDT 2010; Expires: Thu Jul 15 06:39:18 EDT 2010
File Name: WYP0222 HAZARDOUS WASTE SATELLITE STORAGE LOG(6.0), Owner Name: Bryan, Jeff

HAZARDOUS WASTE < 90 DAY ACCUMULATIONS STORAGE AREA - INSPECTION/TRANSFER LOG
RETURN COMPLETED LOG TO SUPERVISOR TO BE FILED IN THE POLYOL DOCUMENT CENTER

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	Waste Aerosols (W-904) In Maintence Shop	Y	Y	Y	Y	1/2	N	Y	N	Ø

WASTE TRANSFERS / COMMENTS (PLEASE LOG ALL TRANSFERS WITH INDIVIDUAL CONTAINER WEIGHTS IN POUNDS

W-490 / 14 JP-041 / 1 JPQA-002 / 1 JPQA-001 / 1

UNCONTROLLED COPY
Printed: Wed Jul 14 06:39:18 EDT 2010; Expires: Thu Jul 15 06:39:18 EDT 2010
File Name: WYP0222 HAZARDOUS WASTE SATELLITE STORAGE LOG(6.0), Owner Name: Bryan, Jeff

BASF Corporation	Title:	Hazardous Waste Satellite Storage Log		
Wya Polyol Plant	No.:	WYP0222	Page:	1 of 4

WASTE SATELLITE STORAGE AREA - INSPECTION/TRANSFER LOG
RETURN COMPLETED LOG TO SUPERVISOR TO BE FILED IN THE POLYOL DOCUMENT CENTER
SITE WASTE WARHOUSE HOURS MONDAY/WEDNESDAY 1-2PM, FRIDAY 10-11 AM

DATE: 7/14/10 TIME: 1130 INSPECTED BY (PRINT FULL NAME): Jason Wilson

2	#7 Jet Decanter Waste (W-035)	Y	Y	Y	Y	1/8	Y	Y	N	Ø
1	Neutralized MDI Waste (W-067)	Y	Y	Y	Y	1/2	N	Y	N	Ø
11	Monomer Waste (W-010)	Y	Y	Y	Y	1/2	Y	Y	N	Ø
	D702 Knock Out Waste (P-025) (Would be located near Oxide KO pot at TO this waste is generated in relation with TO trips.)		No Drum							
12	Neutralized TDI Waste (W-068)	Y	Y	Y	Y	1/8	Y	Y	N	Ø
13	Sugar/Pent/Polyol (A-645)	Y	Y	Y	Y	1/8	N	Y	N	Ø
15	Waste Toluene Filters (#3BB for carbon beds) (W-799)	Y	Y	Y	Y	1/4	N	Y	N	Ø
	Used Oil (A-603-08) Flammable Shed Maintence Pad	Y	Y	Y	Y	Full	Y	Y	Y	1
	Polyol QA Waste (W-760) (Will be inside of retain room)	Y	Y	Y	Y	ok	N	Y	N	Ø
	Crushed Glass (A-616) (Will be inside of retain room)	Y	Y	Y	Y	ok	N	Y	Y	1

UNCONTROLLED COPY
Printed: Wed Jul 14 08:39:18 EDT 2010; Expires: Thu Jul 15 08:39:18 EDT 2010
File Name: WYP0222 HAZARDOUS WASTE SATELLITE STORAGE LOG(6.0); Owner Name: Bryan, Jeff

NOTE: MANY ITEMS ON THIS CHECKLIST ARE LEGAL REQUIREMENTS. IT IS MANDATORY THAT THIS CHECKLIST IS FILLED OUT COMPLETELY, AND RETURNED TO THE OPERATIONS SUPERVISOR FOR FILING. RECORDS ARE KEPT FOR 5 YEARS.

Date: 7/12/10 Days Operator: ST Supervisor: _____

Nights Operator: DF Supervisor: DJN

	Item	Check	Days A	Nights B	C	D	E	F	Comments
19	Outlet Temp. on Busch Pumps (Check on Midnights) *SEE NOTE*	Record temp. Should be 100-160°F	off	150°	OFF	OFF	OFF	X	
20	Busch pump A in Busch room	Any indication of liquid dripping from seal? (Yes/No)	N	NO					
21	Busch pump B in Busch room	Any indication of liquid dripping from seal? (Yes/No)	N	NO					
22	Busch pump C in Busch room	Any indication of liquid dripping from seal? (Yes/No)	N	NO					
23	Busch pump F in Busch room	Any indication of liquid dripping from seal? (Yes/No)	—	—					
24	Busch pump E in Busch room	Any indication of liquid dripping from seal? (Yes/No)	N	NO					
25	Busch pump D in Busch room	Any indication of liquid dripping from seal? (Yes/No)	N	NO					
26	P-510A monomer mix tank pump	Any indication of liquid dripping from seal? (Yes/No)	N	NO					
27	P-510 mixed monomer tank pump	Any indication of liquid dripping from seal? (Yes/No)	N	NO					
28	P-525	Any indication of liquid dripping from seal? (Yes/No)	N	NO					
29	P-529	Any indication of liquid dripping from seal? (Yes/No)	N	NO					
30	P-528 CGR Pump	Any indication of liquid dripping from seal? (Yes/No)	N	NO					
31	P-413C recycled monomer pump	Any indication of liquid dripping from seal? (Yes/No)	N	NO					
32	Recycle TK413C for ½ hour each shift in automatic unless producing P-1528 and or P-1365.	Verify flow and temp of pump. Ok? (Yes/No)	Y	Yes					

***If #10RX and PCGR are down leave one busch pump running and shut down the remaining pumps. Rotate that pump to a different pump every four hours.**

REVISIONS

1. Update title and number of document. Deniz Hinz 6/18/08
2. Add Monomer pumps to the inspection sheet for graft Joel Young 6/18/09
3. Added language for consistency, eliminated blanks, removed references to #7/#8/#10 Operator, general cleanup to 8 pages from 11 DHE 10/23/09

UNCONTROLLED COPY
Printed: Mon Jul 12 07:56:24 EDT 2010, Expires: Tue Jul 13 07:56:24 EDT 2010

BASF Corporation	Title:	Daily Operations Inspection Checklist	
Wya Polyol Plant	No.:	WYP0213	Page 7 of 8

NOTE: MANY ITEMS ON THIS CHECKLIST ARE LEGAL REQUIREMENTS. IT IS MANDATORY THAT THIS CHECKLIST IS FILLED OUT COMPLETELY, AND RETURNED TO THE OPERATIONS SUPERVISOR FOR FILING. RECORDS ARE KEPT FOR 5 YEARS.

Date: 7/12/10 Days Operator: ST Supervisor: _____

Nights Operator: DE Supervisor: DJW

Item		Check	Days	Nights	Comments
[redacted]		Results Legible and Clear? (Yes/No)	Y	YES	
[redacted]		If Problem, was Maintenance Notified? (Yes/No)	N/A	NO	
Small Britesorb dump box.		Empty? (Yes/No)	Y	YES	
[redacted]		Free of leaks or evidence of leaking? (Yes/No)	Y	YES	
[redacted]		If box is under funda, Is the lid down? (Yes/No)	N	NO	
[redacted]		Area is clean and clear of ANY spilled material? (Yes/No)	Y	YES	
[redacted]		Filter cake Under No.8 & 9 Funda & No. 8 Sparkler? (Yes/No)	N	NO	
All 5 gallon pails in process area correctly labeled		(Yes/No) (If NO, please label)	N/A	YES	
#9 Initiator base charging tote		Level of tote/ Emptied (Yes/No)	1/2	Y2-NO	
No. 9 Init. jet decanter		Drained? (Yes/No)	N	NO	
No. 9 Rx jet decanter		Drained and Purged EACH Shift? (Yes/No)	N	~~YES~~	
No. 9 Init. Agitator Seal		Record Level in sight glass. Should be visible.	2/3	~~2/3~~	
1	Eyewash Busch building	Proper flow & temperature & alarm? (Yes/No)	—	N/A	
2	Busch rupture disc pres.	Should be 0 psig. Enter MJ if disc has failed.	0	N/A	
3	#10 Rx rupture disc pres.	Should be 0 psig. Enter MJ if disc has failed.	0	N/A	
4	#10 Rx Agitator Seal Pres.	Record pressure. Should be 15 psig	16	18	
5	#10 Rx Agitator Seal Level	Should be visible (Yes/No).	Y 3/4	N/3	
6	Eyewash - Deck by VB tank	Proper flow? (Yes/No)	Y	YES	
7	9 hold agitator	Seal level (1/4,1/2, Full)	—	—	
8	Eyewash by sulfuric acid tank	Proper, flow, temperature & alarm (Yes/No)	Y	YES	
9	Eyewash by #9 Init. Charging	Proper flow & temperature & alarm (Yes/No)	Y	YES	
10	#9 Trench valve	Should be CLOSED (Yes/No)	Y	YES	
11	#10 Trench valve	Should be CLOSED (Yes/No)	Y	YES	
12	No 9 Hold Tank pump seal pot pressure	Record pressure. Should be between 200-230 psig	220	220	
13	9 Hold pump	Record Seal pot level (1/2,1/4,etc.)	1/4	1/8	
14	9 Flash pump	Record Seal pot level (1/2,1/4,etc.)	1/2	1/2	
15	No 9 flash tank pump seal pot pressure	Record pressure. Should be between 200-230 psig	195	195	
16	Eyewash by graft pumpout header	Proper flow & temperature & alarm? (Yes/No)	Y	YES	
17	Eyewash by truck load	Proper flow & temperature & alarm? (Yes/No)	Y	YES	
18	Eyewash by Tk-526	Proper flow & temperature & alarm? (Yes/No)	Y	YES	

UNCONTROLLED COPY
Printed Mon Jul 12 07:56:24 EDT 2010; Expires: Tue Jul 13 07:56:24 EDT 2010

BASF Corporation	Title:	Daily Operations Inspection Checklist	
Wya Polyol Plant	No.:	WYP0213	Page 6 of 8

NOTE: MANY ITEMS ON THIS CHECKLIST ARE LEGAL REQUIREMENTS. IT IS MANDATORY THAT THIS CHECKLIST IS FILLED OUT COMPLETELY, AND RETURNED TO THE OPERATIONS SUPERVISOR FOR FILING. RECORDS ARE KEPT FOR 5 YEARS.

Date: 7/12/10 Days Operator: ST Supervisor: _____

Nights Operator: DF Supervisor: DJW

Item	Check	Days	Nights	Comments
Dust collector bag level (%)	Record level. Should be < 75% (empty as needed)	N/A	ok	
Busch Pump Oil tank	Dike free of spills? No evidence of any leaks? (Yes/No)	Y	yes	
No. 2 Plant Warehouse Product and Raw material Drums and Bags in.	Warehouse is free of leaking drums and spilled / torn bags? (Yes/No)	Y	yes	
#8 Reactor jet decanter level	Report Level Drained (Yes/No)	MT		
Vazo Room- Floor is clear of pallets and plastic or other debris.	(Yes/No) If NO (Please clean up)	Y	yes	
All 5-gal pails in process area correctly labeled	(Yes/No) (If NO, please label)	N/A	yes	
Britesorb Roll Off boxes	Cover closed? (Yes/No)	N	no	
	Sufficient water level in box? (Yes/No)	Y	yes	
	Area spill free? (Yes/No)	Y	yes	
	Box needs emptying? (Yes/No)	Y	yes	
	If < 2 boxes need emptying, report to foreman. (Save waste $$)	Y	yes	
	Labeled with dated non-hazardous waste label? (Yes/No)	Y	yes	
	PH value? (Monday and Thursday only)	N/A	yes	
	Free of leaks or evidence of leaking? (Yes/No)	Y	yes	
#7 and #8 base charging drain tote	Level of tote/ Emptied? (Yes/No)	1/6		
No. 8 Rx. Rupture disc pressure	Record pressure. Should be 0 psig.	~~0~~		
No. 8 Rx seal oil	Record level in sight glass. Should be visible	7/8	7/8	
No. 8 Rx seal nitrogen	Record pressure. Should be > 100 psig.	107	105	
No. 8 Init. seal oil	Record level in sight glass. Should be visible	1/2	1/3	
No. 8 Init. seal nitrogen	Record pressure. Should be > 110 psig.	118	118	
Water flow to:(Flow indicated in sight glass)	No. 8 Init. Seals. Visible flow? (Yes/No)	Y	yes	
	No. 8 Rect. Seals (outlet pipe west side rx)Flow visible? (Yes/No)	Y	yes	
	No. 8 Gyrol cooler. Flow visible? (Yes/No)	Y	yes	
Thermal Ox. – Air Monitoring Yokagawa Strip Chart in Control Rm.	Does it have paper? (Yes/No)	Y	yes	
	Record status. Power on? (Yes/No)	Y	yes	
	Is Paper Jammed? (Yes/No)	N	no	
	Is Start Button Green? (Yes/No)	Y	yes	

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Date: 7/12/10 Days Operator: ST Supervisor: _____

Nights Operator: DE Supervisor: DJN

Item	Check	Days	Nights	Comments
[redacted]	Free of dents, dings, bulging, creasing, etc? (Yes/No)	Y	yes	
[redacted]	Grounded? (Yes/No)	Y	yes	
Hazardous Waste Satellite Area #11	Drum Level (1/4, 1/2, etc)	1/3	1/3	
[redacted]	Drained? (Yes/No)	Y	yes	
[redacted]	Area spill free? (Yes/No)	Y	yes	
[redacted]	Labeled as monomer waste? (Yes/No)	Y	yes	
[redacted]	Changed and dated if full? (Yes/No)	N/A	NO	
[redacted]	Free of leaks or evidence of leaking? (Yes/No)	Y	yes	
[redacted]	Free of dents, dings, bulging, creasing, etc? (Yes/No)	Y	yes	
[redacted]	Grounded? (Yes/No)	Y	yes	
Containment Tote for Busch Pump Room Floor Drain	Tote empty? (Yes/No)	N	NO	
[redacted]	If not empty, determine what is inside. If just water from washing Busch pump room, then can empty into trench. If ethylene glycol, used oil, or unknown / unsure, contact Operations Engineer.	H2O	H2O	
[redacted]	Area spill free? (Yes/No)	Y	yes	
[redacted]	Labeled as wastewater? (Yes/No)	Y	yes	
[redacted]	Free of leaks or evidence of leaking? (Yes/No)	Y	yes	
[redacted]	Free of dents, dings, bulging, creasing, etc? (Yes/No)	Y	yes	
Satellite Area Supplies	One pallet of new drums available? (Yes/No)	N/A	yes	
Ionol supply adequate?	(Yes/No)	Y	yes	
No. 7 Rx. Oil seal	Record level in sight glass	1/3	1/3	
No 7 Rx. Nitrogen seal	Record pressure. Should be > 100 psig.	0	—	LOCKED OUT
Water flow to: (Flow indicated in sight glass)	No. 7 reactor seal. Flow visible? (Yes/No)	N	NO	LOCKED OUT
No. 7 Gyrol cooler. Flow visible?	(Yes/No)	Y	yes	
-408Water scrubber flow rate. Flow rate of water through T-408 in jet room	Record flowrate. Should be > 50 gpm	139	140	
Eyewash- Niko Tank	Proper flow, temperature & alarm	N/A	OK	
No. 8 Init. Jet decanter	Drained? (Yes/No)	N	NO	
Purge water under #8 press	Is it ON? (should be OFF if using funda)	OFF	OFF	
Eyewash by safety room	Proper flow, temperature & alarm	N/A	OK	

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BASF Corporation	Title:	Daily Operations Inspection Checklist	
Wya Polyol Plant	No.:	WYP0213	Page 4 of 8

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Date: 7/12/10 Days Operator: ST Supervisor: _____

Nights Operator: DE Supervisor: DJN

Item	Check	Days	Nights	Comments
[redacted]	Free of dents, dings, bulging, creasing, etc? (Yes/No)	Y	YES	
[redacted]	Grounded? (Yes/No)	Y	YES	
Hazardous Waste **Accumulation** Area #9	Drum Level (1/4, 1/2, etc)	2/3	1/2	
[redacted]	Drained? (Yes/No)	Y	YES	
[redacted]	Area spill free? (Yes/No)	Y	YES	
[redacted]	Labeled as monomer waste? (Yes/No)	Y	YES	
[redacted]	Record the date on the label of drum:	Date 6-23	Date 6-23	
[redacted]	Is the date on the label <45 days: (Yes/No)	Y	YES	
[redacted]	Does Drum need to be changed out? (Yes/No)	N	NO	
[redacted]	Free of leaks or evidence of leaking? (Yes/No)	Y	YES	
[redacted]	Free of dents, dings, bulging, creasing, etc? (Yes/No)	Y	YES	
[redacted]	Grounded? (Yes/No)	Y	YES	
Hazardous Waste **Accumulation** Area #4	Drum Level (1/4, 1/2, etc)	1/2	1/2	
[redacted]	Drained? (Yes/No)	Y	YES	
[redacted]	Area spill free? (Yes/No)	Y	YES	
[redacted]	Labeled as monomer waste? (Yes/No)	Y	YES	
[redacted]	Record the date on the label of drum:	Date 7-6	Date 7-6	
[redacted]	Is the date on the label <45 days? (Yes/No)	Y	YES	
[redacted]	Does Drum need to be changed out? (Yes/No)	N	NO	
[redacted]	Free of leaks or evidence of leaking? (Yes/No)	Y	YES	
[redacted]	Free of dents, dings, bulging, creasing, etc? (Yes/No)	Y	YES	
[redacted]	Grounded? (Yes/No)	Y	YES	
Hazardous Waste **Accumulation** Area #5	Drum Level (1/4, 1/2, etc)	1/3	1/3	
[redacted]	Drained? (Yes/No)	Y	YES	
[redacted]	Area spill free? (Yes/No)	Y	YES	
[redacted]	Labeled as monomer waste? (Yes/No)	Y	YES	
[redacted]	Record the date on the label of drum:	Date 6-23	Date 6-23	
[redacted]	Is the date on the label <45 days? (Yes/No)	Y	YES	
[redacted]	Does Drum need to be changed out? (Yes/No)	N	NO	
[redacted]	Free of leaks or evidence of leaking? (Yes/No)	Y	YES	

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BASF Corporation	Title:	Daily Operations Inspection Checklist	
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NOTE: MANY ITEMS ON THIS CHECKLIST ARE LEGAL REQUIREMENTS. IT IS MANDATORY THAT THIS CHECKLIST IS FILLED OUT COMPLETELY, AND RETURNED TO THE OPERATIONS SUPERVISOR FOR FILING. RECORDS ARE KEPT FOR 5 YEARS.

Date: 7/12/10 Days Operator: ST Supervisor:

Nights Operator: DE Supervisor: DJN

Item	Check	Days	Nights	Comments
P-150A west of D-150B in jet room	Any indication of liquids dripping from seal? (Yes/No)	N	NO	
VP-530D vacuum pump near S-530DB in jet room	Any indication of liquids dripping from seal? (Yes/No)	N	NO	
P-530DB south of S-530DB in jet room	Any indication of liquids dripping from seal? (Yes/No)	N	NO	
VP-405D vacuum pump near S-405D in jet room	Any indication of liquids dripping from seal? (Yes/No)	N	NO	
P-405D south of S-405D in jet room	Any indication of liquids dripping from seal? (Yes/No)	N	NO	
P-151 west of TK-151 9Reactor vacuum condensate collection tank at ground level	Any indication of liquids dripping from seal? (Yes/No)	N	NO	
P-153B west of TK-403D scrubber recirculation tank	Any indication of liquids dripping from seal? (Yes/No)	N	NO	
P-153A west of TK-403D scrubber recirculation tank	Any indication of liquids dripping from seal? (Yes/No)	N	NO	
Hazardous Waste **Accumulation Area #7**	Drum Level (1/4, 1/2, etc)	1/3	1/3	
	Drained? (Yes/No)	Y	YES	
	Area spill free? (Yes/No)	Y	YES	
	Labeled as monomer waste? (Yes/No)	Y	YES	
	Record the date on the label of drum:	Date 6-12	Date 6-12	
	Is the date on the label <45 days? (Yes/No)	Y	YES	
	Does Drum need to be changed out? (Yes/No)	N	NO	
	Free of leaks or evidence of leaking? (Yes/No)	Y	YES	
	Free of dents, dings, bulging, creasing, etc? (Yes/No)	Y	YES	
	Grounded? (Yes/No)	Y	YES	
Hazardous Waste **Accumulation Area #8**	Drum Level (1/4, 1/2, etc)	2/3	2/3	
	Drained? (Yes/No)	Y	YES	
	Area spill free? (Yes/No)	Y	YES	
	Labeled as monomer waste? (Yes/No)	Y	YES	
	Record the date on the label of drum:	Date 6-18	Date 6-18	
	Is the date on the label <45 days? (Yes/No)	Y	YES	
	Does Drum need to be changed out? (Yes/No)	N	NO	
	Free of leaks or evidence of leaking? (Yes/No)	Y	YES	

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BASF Corporation	Title:	Daily Operations Inspection Checklist	
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Date: 7/12/10 Days Operator: ST Supervisor:

Nights Operator: DE Supervisor: DJN

Item	Check	Days	Nights	Comments
[redacted]	If Yes, What is the pH?	N/A	N/A	
[redacted]	If Yes, What is the Color?	N/A	N/A	
[redacted]	# of Phases in Standing Water Sample? (1/2/NA)	N/A	N/A	
Eyewash pad by No. 7 RX	Proper flow, temperature & alarm? (Yes/No)	Y	N/A	
#7 & #8 Trench valve	CLOSED? (Yes/No)	N	NO	
Dust/Vapor collector drain drum by #7 RX. Emptied? (Yes/No)	Drum level (1/4, ½. Etc.)	N/A	MT	
All 5-gallon pails in process area correctly labeled?	Yes or No? (If NO, please label)	N/A	yes	
Hazardous Waste **Accumulation Area #6**	Drum Level (1/4, 1/2, etc)	1/2	1/2	
[redacted]	Drained? (Yes/No)	Y	Y	
[redacted]	Area spill free? (Yes/No)	Y	Y	
[redacted]	Labeled as monomer waste? (Yes/No)	Y	Y	
[redacted]	Record the date on the label of drum:	Date 6-25	Date 6-25	
[redacted]	Is the date on the label <45 days: (Yes/No)	Y	YES	
[redacted]	Does Drum need to be changed out? (Yes/No)	N	NO	
[redacted]	Free of leaks or evidence of leaking? (Yes/No)	Y	YES	
[redacted]	Free of dents, dings, bulging, creasing, etc? (Yes/No)	Y	YES	
[redacted]	Grounded? (Yes/No)	Y	YES	
A-405B 7Reactor	Any indication of liquids dripping from seal? (Yes/No)	N	NO	
A-405C 8Reactor	Any indication of liquids dripping from seal? (Yes/No)	N	NO	
A-408C 8Initiator	Any indication of liquids dripping from seal? (Yes/No)	N	NO	
A-530 9Initiator	Any indication of liquids dripping from seal? (Yes/No)	N	NO	
A-405D 9Reactor	Any indication of liquids dripping from seal? (Yes/No)	N	NO	
VP-151 vacuum pump near D-151B in jet room	Any indication of liquids dripping from seal? (Yes/No)	N	NO	
P-151A north of D-151B in jet room	Any indication of liquids dripping from seal? (Yes/No)	N	NO	
P-405 bottom of TK-405D 9Reactor east of knock-out pot	Any indication of liquids dripping from seal? (Yes/No)	N	NO	
VP-150 vacuum pump near D-150B in jet room	Any indication of liquids dripping from seal? (Yes/No)	N	NO	

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File Name: WYP0213 DAILY OPERATIONS INSPECTION SHEET(30 D) Owner Name: Bryan, Jeff

BASF Corporation	Title:	Daily Operations Inspection Checklist	
Wya Polyol Plant	No.:	WP0213	Page 1 of 8

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Date: 7/12/10 Days Operator: ST Supervisor: _____

Nights Operator: DE Supervisor: DJN

Item	Check	Days	Nights	Comments
Emergency radio set on SCAN mode	Record status. Should be set on SCAN mode to monitor the Emergency channel	OK	OK	
Emergency radio volume	Record status. Volume should be turned "on"	OK	OK	
Confirm that the radios of the Shift Leader and Tank Farm Area Leader are in the SCAN mode.	Record status. Should be set on SCAN mode to monitor the Emergency channel.	OK	OK	
Control Room pressure	Record pressure. Should be > 0.1"	.07	.07	
Air moisture analyser	Record moisture content. Should be < -90, i.e. -95, -100, etc	-67	-66	
Steam pressure	Record pressure. Should be > 105 psig. & stable	120	121	
Battery backup for temp. Indicator	Record voltage. Should be 24-30 volts	24.57	24.85	
General Monitors-#2 Plant	Record status. No alarms/no malfunctions	None	None	
Instrument air pressure	Record pressure. Should be > 90 psig. & stable	108	104	
River water pressure	Record pressure. Should be > 65 psig. & stable	85	85	
Busch Glycol Storage level	Record level. Should be > 50%	63	63	
Busch Glycol Storage Temp.	Record temp. Should be > 140 °F	155	154	
TK526 Temp (Mercaptan)	Record temp. Should be 50-160°F.	83	83	
EO Transfer Pump	Using P-101B2? (Yes/No) If no report to coordinator	Y	yes	
PO Transfer Pump	Using P-101C2? (Yes/No) If no report to coordinator	Y	yes	
Battery backup	Ready light on? (Yes/No)	Y	yes	
Survive Air packs (Control Room)	Two cleaned and available? (Yes/No)	Y	N/A	
Eyewash pressure	Record pressure. Should be > 60 psig.	65	68	
TMP recycle	Flowing? (Yes/No)	Y	yes	
No 7 jet decanter waste **(Satellite)**	Drained and spill free? (Yes/No)	N/Y	NO/yes	
	Labeled as Jet Decanter Waste? (Yes/No)	Y	yes	
	Full & Dated? (Yes/No)	N/A	NO	
	Grounded? (Yes/No)	Y	yes	
Sulfuric Acid Dike	Is the Dike Empty? (Yes/No)	N	NO	
	If Not, Did You Empty? (Yes/No)	N	NO	
	What Time was Dike Emptied	N/A	N/A	

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BASF Corporation	Title:	Hazardous Waste Satellite Storage Log		
Wya Polyol Plant	No.:	WYP0222	Page:	3 of 4

HAZARDOUS WASTE < 90 DAY ACCUMULATIONS STORAGE AREA - INSPECTION/TRANSFER LOG
RETURN COMPLETED LOG TO SUPERVISOR TO BE FILED IN THE POLYOL DOCUMENT CENTER
SITE WASTE WARHOUSE HOURS MONDAY/WEDNESDAY 1-2PM, FRIDAY 10-11 AM

DATE: 7/9/10 TIME: 1:00 INSPECTED BY (PRINT FULL NAME): JERRY FIGURSKI

[illegible]	[illegible]	RECORD THE DATE OFF THE LABEL. IS IT <45 DAYS OLD?	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4	Monomer Waste (W-010)	Date: 7-6	OK	OK	PART	OK	OK	N/A	N/A
5	Monomer Waste (W-010)	Date: 6-12	OK	OK	PART	OK	OK	N/A	N/A
6	Monomer Waste (W-010)	Date: 6/25	OK	OK	PART	OK	OK	N/A	N/A
7	Monomer Waste (W-010)	Date: 6/23	OK	OK	PART	OK	OK	N/A	N/A
8	Monomer Waste (W-010)	Date: 6/18	OK	OK	PART	OK	OK	N/A	N/A
9	Monomer Waste (W-010)	Date: 6/23	OK	OK	PART	OK	OK	N/A	N/A
					PLANT				
					DOWN			DOWN	
							#10		

WASTE TRANSFERS / COMMENTS (PLEASE LOG ALL TRANSFERS WITH INDIVIDUAL CONTAINER WEIGHTS IN POUNDS)

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Printed: Fri Jul 09 10:29:47 EDT 2010; Expires: Sat Jul 10 10:29:47 EDT 2010
File Name: WYP0222 HAZARDOUS WASTE SATELLITE STORAGE LOG(6.0); Owner Name: Bryan, Jeff

BASF Corporation	Title:	Hazardous Waste Satellite Storage Log		
Wya Polyol Plant	No.:	WYP0222	Page:	3 of 4

HAZARDOUS WASTE < 90 DAY ACCUMULATIONS STORAGE AREA - INSPECTION/TRANSFER LOG
RETURN COMPLETED LOG TO SUPERVISOR TO BE FILED IN THE POLYOL DOCUMENT CENTER
SITE WASTE WARHOUSE HOURS MONDAY/WEDNESDAY 1-2PM, FRIDAY 10-11 AM

DATE: 7/9/10 TIME: 11:00 INSPECTED BY (PRINT FULL NAME): JENNY FIGURSKI

[illegible]	[illegible]	START DATE ON LABEL IS <11 MONTHS	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1	Waste Batteries **(U-800)** Supervisor's Office **(Dispose of >11 months)**	OK	OK	OK	OK	OK	PART	OK	N/A	N/A
2	Waste Batteries **(U-800)** Maintenance Shop **(Dispose of >11 months)**	OK	OK	OK	OK	OK	PART	OK	N/A	N/A

WASTE TRANSFERS / COMMENTS (PLEASE LOG ALL TRANSFERS WITH INDIVIDUAL CONTAINER WEIGHTS IN POUNDS)

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File Name: WYP0222 HAZARDOUS WASTE SATELLITE STORAGE LOG(6.0); Owner Name: Bryan, Jeff

HAZARDOUS WASTE < 90 DAY ACCUMULATIONS STORAGE AREA - INSPECTION/TRANSFER LOG
RETURN COMPLETED LOG TO SUPERVISOR TO BE FILED IN THE POLYOL DOCUMENT CENTER

	DESCRIPTION	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	Waste Aerosols **(W-904)** In Maintence Shop	OK	OK	OK	OK	PALT	OK	OK	N/A	N/A

WASTE TRANSFERS / COMMENTS (PLEASE LOG ALL TRANSFERS WITH INDIVIDUAL CONTAINER WEIGHTS IN POUNDS

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File Name: WYP0222 HAZARDOUS WASTE SATELLITE STORAGE LOG(6.0); Owner Name: Bryan, Jeff

BASF Corporation	Title:	Hazardous Waste Satellite Storage Log		
Wya Polyol Plant	No.:	WYP0222	Page:	1 of 4

WASTE SATELLITE STORAGE AREA - INSPECTION/TRANSFER LOG

RETURN COMPLETED LOG TO SUPERVISOR TO BE FILED IN THE POLYOL DOCUMENT CENTER

SITE WASTE WARHOUSE HOURS MONDAY/WEDNESDAY 1-2PM, FRIDAY 10-11 AM

DATE: 7/9/10 TIME: 11:00 INSPECTED BY (PRINT FULL NAME): JERRY FIGURSKI

[illegible]	DESCRIPTION	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2	#7 Jet Decanter Waste (W-035)	OK	OK	OK	OK	PART	OK	OK	N/A	N/A
1	Neutralized MDI Waste (W-067)	OK	OK	OK	OK	PART	OK	OK	N/A	N/A
11	Monomer Waste (W-010)	OK	OK	OK	OK	PART	OK	OK	N/A	N/A
	D702 Knock Out Waste (P-025) (Would be located near Oxide KO pot at TO this waste is generated in relation with TO trips.)		NO		DRUM					
12	Neutralized TDI Waste (W-068)	OK	OK	OK	OK	PART	OK	OK	N/A	N/A
13	Sugar/Pent/Polyol (A-645)	OK	OK	OK	OK	PART	OK	OK	N/A	N/A
15	Waste Toluene Filters (#3BB for carbon beds) (W-799)	OK	OK	OK	OK	PART	OK	OK	N/A	N/A
	Used Oil (A-603-08) Flammable Shed Maintence Pad	OK	OK	OK	OK	PART	OK	OK	N/A	N/A
	Polyol QA Waste (W-760) (Will be inside of retain room)	OK	OK	OK	OK	PART	OK	OK	N/A	N/A
	Crushed Glass (A-616) (Will be inside of retain room)	OK	OK	OK	OK	PART	OK	OK	N/A	N/A

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Printed: Fri Jul 09 10:29:47 EDT 2010; Expires: Sat Jul 10 10:29:47 EDT 2010
File Name: WYP0222 HAZARDOUS WASTE SATELLITE STORAGE LOG(6 0); Owner Name: Bryan, Jeff

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Date: 07/05/10 Days Operator: CAC Supervisor: CAC

Nights Operator: SSS Supervisor: JAF

	Item	Check	Days	Nights	Comments			
19	Outlet Temp. on Busch Pumps (Check on Midnights) *SEE NOTE*	Record temp. Should be 100-160°F	A 162°	B 170°	C 166°	D 175°	E 172°	F —
20	Busch pump A in Busch room	Any indication of liquid dripping from seal? (Yes/No)	No	No				
21	Busch pump B in Busch room	Any indication of liquid dripping from seal? (Yes/No)	No	No				
22	Busch pump C in Busch room	Any indication of liquid dripping from seal? (Yes/No)	No	No				
23	Busch pump F in Busch room	Any indication of liquid dripping from seal? (Yes/No)	—	—				
24	Busch pump E in Busch room	Any indication of liquid dripping from seal? (Yes/No)	No	No				
25	Busch pump D in Busch room	Any indication of liquid dripping from seal? (Yes/No)	No	No				
26	P-510A monomer mix tank pump	Any indication of liquid dripping from seal? (Yes/No)	No	No				
27	P-510 mixed monomer tank pump	Any indication of liquid dripping from seal? (Yes/No)	NO	No				
28	P-525	Any indication of liquid dripping from seal? (Yes/No)	No	No				
29	P-529	Any indication of liquid dripping from seal? (Yes/No)	No	No				
30	P-528 CGR Pump	Any indication of liquid dripping from seal? (Yes/No)	NO	No				
31	P-413C recycled monomer pump	Any indication of liquid dripping from seal? (Yes/No)	NO	No				
32	Recycle TK413C for ½ hour each shift in automatic unless producing P-1528 and or P-1365.	Verify flow and temp of pump. Ok? (Yes/No)	YES	YES				

***If #10RX and PCGR are down leave one busch pump running and shut down the remaining pumps. Rotate that pump to a different pump every four hours.**

REVISIONS

1. Update title and number of document. Deniz Hinz 6/18/08
2. Add Monomer pumps to the inspection sheet for graft Joel Young 6/18/09
3. Added language for consistency, eliminated blanks, removed references to #7/#8/#10 Operator, general cleanup to 8 pages from 11 DHE 10/23/09

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BASF Corporation	Title:	Daily Operations Inspection Checklist	
Wya Polyol Plant	No.:	WYP0213	Page 8 of 8

NOTE: MANY ITEMS ON THIS CHECKLIST ARE LEGAL REQUIREMENTS. IT IS MANDATORY THAT THIS CHECKLIST IS FILLED OUT COMPLETELY, AND RETURNED TO THE OPERATIONS SUPERVISOR FOR FILING. RECORDS ARE KEPT FOR 5 YEARS.

Date: 07/05/10 Days Operator: CAC Supervisor: CAC

Nights Operator: SSS Supervisor: JAF

	Item	Check	Days	Nights	Comments			
19	Outlet Temp. on Busch Pumps (Check on Midnights) *SEE NOTE*	Record temp. Should be 100-160°F	A 162°	B 170°	C 166°	D 175°	E 172°	F —
20	Busch pump A in Busch room	Any indication of liquid dripping from seal? (Yes/No)	No	No				
21	Busch pump B in Busch room	Any indication of liquid dripping from seal? (Yes/No)	No	No				
22	Busch pump C in Busch room	Any indication of liquid dripping from seal? (Yes/No)	No	No				
23	Busch pump F in Busch room	Any indication of liquid dripping from seal? (Yes/No)	—	—				
24	Busch pump E in Busch room	Any indication of liquid dripping from seal? (Yes/No)	No	No				
25	Busch pump D in Busch room	Any indication of liquid dripping from seal? (Yes/No)	No	No				
26	P-510A monomer mix tank pump	Any indication of liquid dripping from seal? (Yes/No)	No	No				
27	P-510 mixed monomer tank pump	Any indication of liquid dripping from seal? (Yes/No)	NO	No				
28	P-525	Any indication of liquid dripping from seal? (Yes/No)	No	No				
29	P-529	Any indication of liquid dripping from seal? (Yes/No)	No	No				
30	P-528 CGR Pump	Any indication of liquid dripping from seal? (Yes/No)	No	No				
31	P-413C recycled monomer pump	Any indication of liquid dripping from seal? (Yes/No)	NO	No				
32	Recycle TK413C for ½ hour each shift in automatic unless producing P-1528 and or P-1365.	Verify flow and temp of pump. Ok? (Yes/No)	YES	YES				

***If #10RX and PCGR are down leave one busch pump running and shut down the remaining pumps. Rotate that pump to a different pump every four hours.**

REVISIONS

1. Update title and number of document. Deniz Hinz 6/18/08
2. Add Monomer pumps to the inspection sheet for graft Joel Young 6/18/09
3. Added language for consistency, eliminated blanks, removed references to #7/#8/#10 Operator, general cleanup to 8 pages from 11 DHE 10/23/09

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Date: 07/05/10 Days Operator: CAC Supervisor: CAC

Nights Operator: SS Supervisor: JAF

Item		Check	Days	Nights	Comments
[redacted]		Results Legible and Clear? (Yes/No)	YES	YES	
[redacted]		If Problem, was Maintenance Notified? (Yes/No)	N/A	N/A	
Small Britesorb dump box.		Empty? (Yes/No)	YES	YES	
[redacted]		Free of leaks or evidence of leaking? (Yes/No)	YES	YES	
[redacted]		If box is under funda, Is the lid down? (Yes/No)	—	NO	
[redacted]		Area is clean and clear of ANY spilled material? (Yes/No)	YES	YES	
[redacted]		Filter cake Under No.8 & 9 Funda & No. 8 Sparkler? (Yes/No)	OK	NO	
All 5 gallon pails in process area correctly labeled		(Yes/No) (If NO, please label)	N/A	YES	
#9 Initiator base charging tote		Level of tote/ Emptied (Yes/No)	1/3 NO	1/2 NO	
No. 9 Init. jet decanter		Drained? (Yes/No)	NO	NO	
No. 9 Rx jet decanter		Drained and Purged EACH Shift? (Yes/No)	NO	NO	
No. 9 Init. Agitator Seal		Record Level in sight glass. Should be visible.	3/4	3/4	
1	Eyewash Busch building	Proper flow & temperature & alarm? (Yes/No)	—	N/A	
2	Busch rupture disc pres.	Should be 0 psig. Enter MJ if disc has failed.	0	N/A	
3	#10 Rx rupture disc pres.	Should be 0 psig. Enter MJ if disc has failed.	0	N/A	
4	#10 Rx Agitator Seal Pres.	Record pressure. Should be 15 psig	17	16	
5	#10 Rx Agitator Seal Level	Should be visible (Yes/No)	3/4	3/4	
6	Eyewash - Deck by VB tank	Proper flow? (Yes/No)	—	—	
7	9 hold agitator	Seal level (1/4,1/2, Full)	—	—	
8	Eyewash by sulfuric acid tank	Proper, flow, temperature & alarm (Yes/No)	—	YES	
9	Eyewash by #9 Init. Charging	Proper flow & temperature & alarm (Yes/No)	—	YES	
10	#9 Trench valve	Should be CLOSED (Yes/No)	Closed	Closed	
11	#10 Trench valve	Should be CLOSED (Yes/No)	Closed	closed	
12	No 9 Hold Tank pump seal pot pressure	Record pressure. Should be between 200-230 psig	215		
13	9 Hold pump	Record Seal pot level (1/2,1/4,etc.)	1/4		
14	9 Flash pump	Record Seal pot level (1/2,1/4,etc.)	1/2		
15	No 9 flash tank pump seal pot pressure	Record pressure. Should be between 200-230 psig	195		
16	Eyewash by graft pumpout header	Proper flow & temperature & alarm? (Yes/No)	—	YES	
17	Eyewash by truck load	Proper flow & temperature & alarm? (Yes/No)	—	YES	
18	Eyewash by Tk-526	Proper flow & temperature & alarm? (Yes/No)	—	YES	

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Date: 07/05/10 **Days Operator:** CAC **Supervisor:** CAC

Nights Operator: SSS **Supervisor:** JAF

Item	Check	Days	Nights	Comments
Dust collector bag level (%)	Record level. Should be < 75% (empty as needed)	N/A	—	
Busch Pump Oil tank	Dike free of spills? No evidence of any leaks? (Yes/No)	yes	yes	
No. 2 Plant Warehouse Product and Raw material Drums and Bags in.	Warehouse is free of leaking drums and spilled / torn bags? (Yes/No)	yes	yes	
#8 Reactor jet decanter level	Report Level Drained (Yes/No)	1/2 No	1/2 No	
Vazo Room- Floor is clear of pallets and plastic or other debris.	(Yes/No) If NO (Please clean up)	yes	yes	
All 5-gal pails in process area correctly labeled	(Yes/No) (If NO, please label)	N/A	yes	
Britesorb Roll Off boxes	Cover closed? (Yes/No)	open	No	
[redacted]	Sufficient water level in box? (Yes/No)	yes	yes	
[redacted]	Area spill free? (Yes/No)	yes	yes	
[redacted]	Box needs emptying? (Yes/No)	No	No	
[redacted]	If < 2 boxes need emptying, report to foreman. (Save waste $$)	N/A	N/A	
[redacted]	Labeled with dated non-hazardous waste label? (Yes/No)	yes	yes	
[redacted]	PH value? (Monday and Thursday only)	N/A	N/A	
[redacted]	Free of leaks or evidence of leaking? (Yes/No)	yes	yes	
#7 and #8 base charging drain tote	Level of tote/ Emptied? (Yes/No)	1/2	1/3	
No. 8 Rx. Rupture disc pressure	Record pressure. Should be 0 psig.	0	0	
No. 8 Rx seal oil	Record level in sight glass. Should be visible	7/8	7/8	
No. 8 Rx seal nitrogen	Record pressure. Should be > 100 psig.	100	105	
No. 8 Init. seal oil	Record level in sight glass. Should be visible	3/4		
No. 8 Init. seal nitrogen	Record pressure. Should be > 110 psig.	118		
Water flow to: (Flow indicated in sight glass)	No. 8 Init. Seals. Visible flow? (Yes/No)	OK	OK	
[redacted]	No. 8 Rect. Seals (outlet pipe west side rx)Flow visible? (Yes/No)	OK	OK	
[redacted]	No. 8 Gyrol cooler. Flow visible? (Yes/No)	OK	OK	
[redacted]		—	—	
Thermal Ox. – Air Monitoring Yokagawa Strip Chart in Control Rm.	Does it have paper? (Yes/No)	yes	yes	
[redacted]	Record status. Power on? (Yes/No)	yes	yes	
[redacted]	Is Paper Jammed? (Yes/No)	No	No	
[redacted]	Is Start Button Green? (Yes/No)	yes	yes	

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Date: 07/05/10 Days Operator: MC Supervisor: CD

Nights Operator: SSS Supervisor: JAF

Item	Check	Days	Nights	Comments
[redacted]	Free of dents, dings, bulging, creasing, etc? (Yes/No)	yes	yes	
[redacted]	Grounded? (Yes/No)	yes	yes	
Hazardous Waste Satellite Area #11	Drum Level (1/4, 1/2, etc)	1/2	1/3	
[redacted]	Drained? (Yes/No)	yes	yes	
[redacted]	Area spill free? (Yes/No)	yes	yes	
[redacted]	Labeled as monomer waste? (Yes/No)	yes	yes	
[redacted]	Changed and dated if full? (Yes/No)	N/A	N/A	
[redacted]	Free of leaks or evidence of leaking? (Yes/No)	yes	yes	
[redacted]	Free of dents, dings, bulging, creasing, etc? (Yes/No)	yes	yes	
[redacted]	Grounded? (Yes/No)	yes	yes	
Containment Tote for Busch Pump Room Floor Drain	Tote empty? (Yes/No)	No	No	
[redacted]	If not empty, determine what is inside. If just water from washing Busch pump room, then can empty into trench. If ethylene glycol, used oil, or unknown / unsure, contact Operations Engineer.	H_2O	H_2O	
[redacted]	Area spill free? (Yes/No)	yes	yes	
[redacted]	Labeled as wastewater? (Yes/No)	yes	yes	
[redacted]	Free of leaks or evidence of leaking? (Yes/No)	yes	yes	
[redacted]	Free of dents, dings, bulging, creasing, etc? (Yes/No)	yes	yes	
Satellite Area Supplies	One pallet of new drums available? (Yes/No)	N/A	yes	
Ionol supply adequate?	(Yes/No)	yes	yes	
No. 7 Rx. Oil seal	Record level in sight glass	1/4	1/4	
No. 7 Rx. Nitrogen seal	Record pressure. Should be > 100 psig.	off	off	Locked out
Water flow to: (Flow indicated in sight glass)	No. 7 reactor seal. Flow visible? (Yes/No)	—	—	
No. 7 Gyrol cooler. Flow visible?	(Yes/No)	—	—	
-408Water scrubber flow rate. Flow rate of water through T-408 in jet room	Record flowrate. Should be > 50 gpm	141	143	
Eyewash- Niko Tank	Proper flow, temperature & alarm	N/A	yes	
No. 8 Init. Jet decanter	Drained? (Yes/No)	No	No	
Purge water under #8 press	Is it ON? (should be OFF if using funda)	off	off	
Eyewash by safety room	Proper flow, temperature & alarm	N/A	yes	

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Date: 07/05/10 Days Operator: CAC Supervisor: CAC

Nights Operator: JJS Supervisor: JAC

Item	Check	Days	Nights	Comments
	Free of dents, dings, bulging, creasing, etc? (Yes/No)	yes	yes	
	Grounded? (Yes/No)	yes	yes	
Hazardous Waste **Accumulation** Area #9	Drum Level (1/4, 1/2, etc)	2/3	2/3	
	Drained? (Yes/No)	yes	yes	
	Area spill free? (Yes/No)	yes	yes	
	Labeled as monomer waste? (Yes/No)	yes	yes	
	Record the date on the label of drum:	Date 6-23	Date 6/23	
	Is the date on the label <45 days: (Yes/No)	yes	yes	
	Does Drum need to be changed out? (Yes/No)	No	No	
	Free of leaks or evidence of leaking? (Yes/No)	yes	yes	
	Free of dents, dings, bulging, creasing, etc? (Yes/No)	yes	yes	
	Grounded? (Yes/No)	yes	yes	
Hazardous Waste **Accumulation** Area #4	Drum Level (1/4, 1/2, etc)	1/2	1/2	
	Drained? (Yes/No)	yes	yes	
	Area spill free? (Yes/No)	yes	yes	
	Labeled as monomer waste? (Yes/No)	yes	yes	
	Record the date on the label of drum:	Date 7-4	Date 7/4	
	Is the date on the label <45 days? (Yes/No)	yes	yes	
	Does Drum need to be changed out? (Yes/No)	NO	No	
	Free of leaks or evidence of leaking? (Yes/No)	yes	yes	
	Free of dents, dings, bulging, creasing, etc? (Yes/No)	yes	yes	
	Grounded? (Yes/No)	yes	yes	
Hazardous Waste **Accumulation** Area #5	Drum Level (1/4, 1/2, etc)	1/2	1/3	
	Drained? (Yes/No)	yes	yes	
	Area spill free? (Yes/No)	yes	yes	
	Labeled as monomer waste? (Yes/No)	yes	yes	
	Record the date on the label of drum:	Date 6-23	Date 6/23	
	Is the date on the label <45 days? (Yes/No)	yes	yes	
	Does Drum need to be changed out? (Yes/No)	NO	No	
	Free of leaks or evidence of leaking? (Yes/No)	yes	yes	

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Date: 07/05/10 Days Operator: CAC Supervisor: CAC

Nights Operator: SB Supervisor: SAC

Item	Check	Days	Nights	Comments
P-150A west of D-150B in jet room	Any indication of liquids dripping from seal? (Yes/No)	NO	NO	
VP-530D vacuum pump near S-530DB in jet room	Any indication of liquids dripping from seal? (Yes/No)	NO	No	
P-530DB south of S-530DB in jet room	Any indication of liquids dripping from seal? (Yes/No)	NO	No	
VP-405D vacuum pump near S-405D in jet room	Any indication of liquids dripping from seal? (Yes/No)	NO	No	
P-405D south of S-405D in jet room	Any indication of liquids dripping from seal? (Yes/No)	NO	No	
P-151 west of TK-151 9Reactor vacuum condensate collection tank at ground level	Any indication of liquids dripping from seal? (Yes/No)	NO	No	
P-153B west of TK-403D scrubber recirculation tank	Any indication of liquids dripping from seal? (Yes/No)	NO	No	
P-153A west of TK-403D scrubber recirculation tank	Any indication of liquids dripping from seal? (Yes/No)	NO	No	
Hazardous Waste **Accumulation Area #7**	Drum Level (1/4, 1/2, etc)	1/3	1/3	
[redacted]	Drained? (Yes/No)		yes	
[redacted]	Area spill free? (Yes/No)		yes	
[redacted]	Labeled as monomer waste? (Yes/No)		yes	
[redacted]	Record the date on the label of drum:	Date 6-12	Date 6/12	
[redacted]	Is the date on the label <45 days? (Yes/No)	yes	yes	
[redacted]	Does Drum need to be changed out? (Yes/No)	yes	yes	
[redacted]	Free of leaks or evidence of leaking? (Yes/No)	yes	yes	
[redacted]	Free of dents, dings, bulging, creasing, etc? (Yes/No)	yes	yes	
[redacted]	Grounded? (Yes/No)	yes	yes	
Hazardous Waste **Accumulation Area #8**	Drum Level (1/4, 1/2, etc)	2/3	2/3	
[redacted]	Drained? (Yes/No)	yes	yes	
[redacted]	Area spill free? (Yes/No)	yes	yes	
[redacted]	Labeled as monomer waste? (Yes/No)	yes	yes	
[redacted]	Record the date on the label of drum:	Date 6-18	Date 6/18	
[redacted]	Is the date on the label <45 days? (Yes/No)	yes	yes	
[redacted]	Does Drum need to be changed out? (Yes/No)	NO	NO	
[redacted]	Free of leaks or evidence of leaking? (Yes/No)	yes	yes	

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Date: 07/05/10 Days Operator: PAC Supervisor: CAC

Nights Operator: SSS Supervisor: JAF

Item	Check	Days	Nights	Comments
[redacted]	If Yes, What is the pH?	N/A	N/A	
[redacted]	If Yes, What is the Color?	N/A	N/A	
[redacted]	# of Phases in Standing Water Sample? (1/2/NA)	N/A	N/A	
Eyewash pad by No. 7 RX	Proper flow, temperature & alarm? (Yes/No)	—	N/A	
#7 & #8 Trench valve	CLOSED? (Yes/No)	open	open	
Dust/Vapor collector drain drum by #7 RX. Emptied? (Yes/No)	Drum level (1/4, ½. Etc.)	N/A	1/6	
All 5-gallon pails in process area correctly labeled?	Yes or No? (If NO, please label)	N/A	Yes	
Hazardous Waste **Accumulation Area #6**	Drum Level (1/4, 1/2, etc)	1/3	1/3	
[redacted]	Drained? (Yes/No)	yes	yes	
[redacted]	Area spill free? (Yes/No)	yes	yes	
[redacted]	Labeled as monomer waste? (Yes/No)	yes	yes	
[redacted]	Record the date on the label of drum:	Date 6-25	Date 6/25	
[redacted]	Is the date on the label <45 days: (Yes/No)	yes	yes	
[redacted]	Does Drum need to be changed out? (Yes/No)	NO	NO	
[redacted]	Free of leaks or evidence of leaking? (Yes/No)	yes	yes	
[redacted]	Free of dents, dings, bulging, creasing, etc? (Yes/No)	yes	yes	
[redacted]	Grounded? (Yes/No)	yes	yes	
A-405B 7Reactor	Any indication of liquids dripping from seal? (Yes/No)	NO	NO	
A-405C 8Reactor	Any indication of liquids dripping from seal? (Yes/No)	NO	NO	
A-408C 8Initiator	Any indication of liquids dripping from seal? (Yes/No)	NO	NO	
A-530 9Initiator	Any indication of liquids dripping from seal? (Yes/No)	NO	NO	
A-405D 9Reactor	Any indication of liquids dripping from seal? (Yes/No)	NO	NO	
VP-151 vacuum pump near D-151B in jet room	Any indication of liquids dripping from seal? (Yes/No)	NO	NO	
P-151A north of D-151B in jet room	Any indication of liquids dripping from seal? (Yes/No)	NO	NO	
P-405 bottom of TK-405D 9Reactor east of knock-out pot	Any indication of liquids dripping from seal? (Yes/No)	NO	NO	
VP-150 vacuum pump near D-150B in jet room	Any indication of liquids dripping from seal? (Yes/No)	NO	NO	

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Date: 07/05/10 Days Operator: CAC Supervisor: CAC

Nights Operator: SSS Supervisor: JAF

Item	Check	Days	Nights	Comments
Emergency radio set on SCAN mode	Record status. Should be set on SCAN mode to monitor the Emergency Channel	OK	OK	
Emergency radio volume	Record status. Volume should be turned "on"	OK	OK	
Confirm that the radios of the Shift Leader and Tank Farm Area Leader are in the SCAN mode.	Record status. Should be set on SCAN mode to monitor the Emergency Channel.	OK	OK	
Control Room pressure	Record pressure. Should be > 0.1"	.07	.09	
Air moisture analyser	Record moisture content. Should be < -90, i.e. -95, -100, etc	-62	-65	
Steam pressure	Record pressure. Should be > 105 psig. & stable	121	121	
Battery backup for temp. Indicator	Record voltage. Should be 24-30 volts	25	24.83	
General Monitors-#2 Plant	Record status. No alarms/no malfunctions	OK	None	
Instrument air pressure	Record pressure. Should be > 90 psig. & stable	112	111	
River water pressure	Record pressure. Should be > 65 psig. & stable	87	85	
Busch Glycol Storage level	Record level. Should be > 50%	63	63%	
Busch Glycol Storage Temp.	Record temp. Should be > 140 °F	155	155	
TK526 Temp (Mercaptan)	Record temp. Should be 50-150°F.	76	77	
EO Transfer Pump	Using P-101B2? (Yes/No) If no report to coordinator	Yes	Yes	
PO Transfer Pump	Using P-101C2? (Yes/No) If no report to coordinator	Yes	Yes	
Battery backup	Ready light on? (Yes/No)	OK	Yes	
Survive Air packs (Control Room)	Two cleaned and available? (Yes/No)	Yes	N/A	
Eyewash pressure	Record pressure. Should be > 60 psig.	65	65	
TMP recycle	Flowing? (Yes/No)	Yes	Yes	
No 7 jet decanter waste **(Satellite)**	Drained and spill free? (Yes/No)	No / Yes	No / Yes	
[redacted]	Labeled as Jet Decanter Waste? (Yes/No)	Yes	Yes	
[redacted]	Full & Dated? (Yes/No)	N/A	N/A	
[redacted]	Grounded? (Yes/No)	Yes	Yes	
Sulfuric Acid Dike	Is the Dike Empty? (Yes/No)	No	No	
[redacted]	If Not, Did You Empty? (Yes/No)	No	No	
[redacted]	What Time was Dike Emptied?	NA	N/A	

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Date: 6-29-10 Days Operator: DEp Supervisor: LO

Nights Operator: SF Supervisor:

	Item	Check	Days	Nights	Comments				
19	Outlet Temp. on Busch Pumps (Check on Midnights) *SEE NOTE*	Record temp. Should be 100-160°F	A 168	B 172	C 174	D 168	E 175	F GONE	
20	Busch pump A in Busch room	Any indication of liquid dripping from seal? (Yes/No)	NO	NO					
21	Busch pump B in Busch room	Any indication of liquid dripping from seal? (Yes/No)	NO	NO					
22	Busch pump C in Busch room	Any indication of liquid dripping from seal? (Yes/No)	NO	NO					
23	Busch pump F in Busch room	Any indication of liquid dripping from seal? (Yes/No)	NO	NO					
24	Busch pump E in Busch room	Any indication of liquid dripping from seal? (Yes/No)	NO	NO					
25	Busch pump D in Busch room	Any indication of liquid dripping from seal? (Yes/No)	NO	NO					
26	P-510A monomer mix tank pump	Any indication of liquid dripping from seal? (Yes/No)	NO	NO					
27	P-510 mixed monomer tank pump	Any indication of liquid dripping from seal? (Yes/No)	NO	NO					
28	P-525	Any indication of liquid dripping from seal? (Yes/No)	NO	NO					
29	P-529	Any indication of liquid dripping from seal? (Yes/No)	NO	NO					
30	P-528 CGR Pump	Any indication of liquid dripping from seal? (Yes/No)	NO	NO					
31	P-413C recycled monomer pump	Any indication of liquid dripping from seal? (Yes/No)	NO	NO					
32	Recycle TK413C for ½ hour each shift in automatic unless producing P-1528 and or P-1365.	Verify flow and temp of pump. Ok? (Yes/No)	YES 1528's	YES P-1528's					

***If #10RX and PCGR are down leave one busch pump running and shut down the remaining pumps. Rotate that pump to a different pump every four hours.**

REVISIONS

1. Update title and number of document. Deniz Hinz 6/18/08
2. Add Monomer pumps to the inspection sheet for graft Joel Young 6/18/09
3. Added language for consistency, eliminated blanks, removed references to #7/#8/#10 Operator, general cleanup to 8 pages from 11 DHE 10/23/09

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Printed: Mon Jun 28 07:22:00 EDT 2010; Expires. Tue Jun 29 07:22:00 EDT 2010
File Name: WYP0213 DAILY OPERATIONS INSPECTION SHEET(39.0); Owner Name: Bryan, Jeff

BASF Corporation	Title:	Daily Operations Inspection Checklist	
Wya Polyol Plant	No.:	WYP0213	Page 7 of 8

NOTE: MANY ITEMS ON THIS CHECKLIST ARE LEGAL REQUIREMENTS. IT IS MANDATORY THAT THIS CHECKLIST IS FILLED OUT COMPLETELY, AND RETURNED TO THE OPERATIONS SUPERVISOR FOR FILING. RECORDS ARE KEPT FOR 5 YEARS.

Date: 6/28/10 Days Operator: DE Supervisor: LO

Nights Operator: JK Supervisor:

	Item	Check	Days	Nights	Comments
[redacted]		Results Legible and Clear? (Yes/No)	yes	Y	
[redacted]		If Problem, was Maintenance Notified? (Yes/No)	NO	NO	
Small Britesorb dump box.		Empty? (Yes/No)	yes	Y	
[redacted]		Free of leaks or evidence of leaking? (Yes/No)	yes	Y	
[redacted]		If box is under funda, Is the lid down? (Yes/No)	NO	NO	
[redacted]		Area is clean and clear of ANY spilled material? (Yes/No)	yes	Y	
[redacted]		Filter cake Under No.8 & 9 Funda & No. 8 Sparkler? (Yes/No)	NO	NO	
All 5 gallon pails in process area correctly labeled		(Yes/No) (If NO, please label)	N/A	OK	
#9 Initiator base charging tote		Level of tote/ Emptied (Yes/No)	1/2/NO	1/2 NO	
No. 9 Init. jet decanter		Drained? (Yes/No)	NO	NO	
No. 9 Rx jet decanter		Drained and Purged EACH Shift? (Yes/No)	NO	NO	
No. 9 Init. Agitator Seal		Record Level in sight glass. Should be visible.	2/3	2/3	
1	Eyewash Busch building	Proper flow & temperature & alarm? (Yes/No)	N/A	N/A	
2	Busch rupture disc pres.	Should be 0 psig. Enter MJ if disc has failed.	0	N/A	
3	#10 Rx rupture disc pres.	Should be 0 psig. Enter MJ if disc has failed.	0	N/A	
4	#10 Rx Agitator Seal Pres.	Record pressure. Should be 15 psig	16	16	
5	#10 Rx Agitator Seal Level	Should be visible (Yes/No)	2/3	2/3	
6	Eyewash - Deck by VB tank	Proper flow? (Yes/No)	yes	Y	
7	9 hold agitator	Seal level (1/4,1/2, Full)	—	—	
8	Eyewash by sulfuric acid tank	Proper, flow, temperature & alarm (Yes/No)	yes	Y	
9	Eyewash by #9 Init. Charging	Proper flow & temperature & alarm (Yes/No)	yes	Y	
10	#9 Trench valve	Should be CLOSED (Yes/No)	yes	Y	
11	#10 Trench valve	Should be CLOSED (Yes/No)	yes	Y	
12	No 9 Hold Tank pump seal pot pressure	Record pressure. Should be between 200-230 psig	220	220	
13	9 Hold pump	Record Seal pot level (1/2,1/4,etc.)	1/4	1/4	
14	9 Flash pump	Record Seal pot level (1/2,1/4,etc.)	1/2	1/2	
15	No 9 flash tank pump seal pot pressure	Record pressure. Should be between 200-230 psig	190	190	
16	Eyewash by graft pumpout header	Proper flow & temperature & alarm? (Yes/No)	yes	Y	
17	Eyewash by truck load	Proper flow & temperature & alarm? (Yes/No)	yes	Y	
18	Eyewash by Tk-526	Proper flow & temperature & alarm? (Yes/No)	yes	Y	

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File Name: WYP0213 DAILY OPERATIONS INSPECTION SHEET(39.0); Owner Name: Bryan, Jeff

BASF Corporation	Title:	Daily Operations Inspection Checklist	
Wya Polyol Plant	No.:	WYP0213	Page 6 of 8

NOTE: MANY ITEMS ON THIS CHECKLIST ARE LEGAL REQUIREMENTS. IT IS MANDATORY THAT THIS CHECKLIST IS FILLED OUT COMPLETELY, AND RETURNED TO THE OPERATIONS SUPERVISOR FOR FILING. RECORDS ARE KEPT FOR 5 YEARS.

Date: 6-28-10 Days Operator: DE Supervisor: LO

Nights Operator: SF Supervisor:

Item	Check	Days	Nights	Comments
Dust collector bag level (%)	Record level. Should be < 75% (empty as needed)	N/A	OK	
Busch Pump Oil tank	Dike free of spills? No evidence of any leaks? (Yes/No)	YES	Y	
No. 2 Plant Warehouse Product and Raw material Drums and Bags in.	Warehouse is free of leaking drums and spilled / torn bags? (Yes/No)	YES	Y	
#8 Reactor jet decanter level	Report Level Drained (Yes/No)	1/2-NO	1/2 NO	
Vazo Room- Floor is clear of pallets and plastic or other debris.	(Yes/No) If NO (Please clean up)	YES	Y	
All 5-gal pails in process area correctly labeled	(Yes/No) (If NO, please label)	N/A	OK	
Britesorb Roll Off boxes	Cover closed? (Yes/No)	NO	NO	
[redacted]	Sufficient water level in box? (Yes/No)	YES	Y	
[redacted]	Area spill free? (Yes/No)	YES	Y	
[redacted]	Box needs emptying? (Yes/No)	NO	NO	
[redacted]	If < 2 boxes need emptying, report to foreman. (Save waste $$)	N/A	NA	
[redacted]	Labeled with dated non-hazardous waste label? (Yes/No)	YES	Y	
[redacted]	PH value? (Monday and Thursday only)	N/A	NA	
[redacted]	Free of leaks or evidence of leaking? (Yes/No)	YES	Y	
#7 and #8 base charging drain tote	Level of tote/ Emptied? (Yes/No)	1/16 NO	1/16 NO	
No. 8 Rx. Rupture disc pressure	Record pressure. Should be 0 psig.	0	0	
No. 8 Rx seal oil	Record level in sight glass. Should be visible	2/3	1/2	
No. 8 Rx seal nitrogen	Record pressure. Should be > 100 psig.	110	110	
No. 8 Init. seal oil	Record level in sight glass. Should be visible	2/3	2/3	
No. 8 Init. seal nitrogen	Record pressure. Should be > 110 psig.	119	119	
Water flow to:(Flow indicated in sight glass)	No. 8 Init. Seals. Visible flow? (Yes/No)	YES	Y	
[redacted]	No. 8 Rect. Seals (outlet pipe west side rx)Flow visible? (Yes/No)	YES	Y	
[redacted]	No. 8 Gyrol cooler. Flow visible? (Yes/No)	YES	Y	
[redacted]				
Thermal Ox. – Air Monitoring Yokagawa Strip Chart in Control Rm.	Does it have paper? (Yes/No)	YES	Y	
[redacted]	Record status. Power on? (Yes/No)	YES	Y	
[redacted]	Is Paper Jammed? (Yes/No)	NO	NO	
[redacted]	Is Start Button Green? (Yes/No)	YES	Y	

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File Name: WYP0213 DAILY OPERATIONS INSPECTION SHEET(39.0): Owner Name: Bryan, Jeff

BASF Corporation	Title:	Daily Operations Inspection Checklist	
Wya Polyol Plant	No.:	WYP0213	Page 5 of 8

NOTE: MANY ITEMS ON THIS CHECKLIST ARE LEGAL REQUIREMENTS. IT IS MANDATORY THAT THIS CHECKLIST IS FILLED OUT COMPLETELY, AND RETURNED TO THE OPERATIONS SUPERVISOR FOR FILING. RECORDS ARE KEPT FOR 5 YEARS.

Date: 6-29-10 Days Operator: DE Supervisor: LO

Nights Operator: _____ Supervisor: _____

Item	Check	Days	Nights	Comments
[redacted]	Free of dents, dings, bulging, creasing, etc? (Yes/No)	yes	Y	
[redacted]	Grounded? (Yes/No)	yes	Y	
Hazardous Waste Satellite Area #11	Drum Level (1/4, 1/2, etc)	1/3	1/3	
[redacted]	Drained? (Yes/No)	yes	Y	
[redacted]	Area spill free? (Yes/No)	yes	Y	
[redacted]	Labeled as monomer waste? (Yes/No)	yes	Y	
[redacted]	Changed and dated if full? (Yes/No)	NO	NO	
[redacted]	Free of leaks or evidence of leaking? (Yes/No)	yes	Y	
[redacted]	Free of dents, dings, bulging, creasing, etc? (Yes/No)	yes	Y	
[redacted]	Grounded? (Yes/No)	yes	Y	
Containment Tote for Busch Pump Room Floor Drain	Tote empty? (Yes/No)	No	NO	
[redacted]	If not empty, determine what is inside. If just water from washing Busch pump room, then can empty into trench. If ethylene glycol, used oil, or unknown / unsure, contact Operations Engineer.	H20	H20	
[redacted]	Area spill free? (Yes/No)	yes	Y	
[redacted]	Labeled as wastewater? (Yes/No)	yes	Y	
[redacted]	Free of leaks or evidence of leaking? (Yes/No)	yes	Y	
[redacted]	Free of dents, dings, bulging, creasing, etc? (Yes/No)	yes	Y	
Satellite Area Supplies	One pallet of new drums available? (Yes/No)	N/A	DE	
Ionol supply adequate?	(Yes/No)	yes	Y	
No. 7 Rx. Oil seal	Record level in sight glass	1/3	1/3	
No. 7 Rx. Nitrogen seal	Record pressure. Should be > 100 psig.	110	110	
Water flow to: (Flow indicated in sight glass)	No. 7 reactor seal. Flow visible? (Yes/No)	yes	Y	
No. 7 Gyrol cooler. Flow visible?	(Yes/No)	yes	Y	
-408Water scrubber flow rate. Flow rate of water through T-408 in jet room	Record flowrate. Should be > 50 gpm	137	135	
Eyewash- Niko Tank	Proper flow, temperature & alarm	N/A	DE	
No. 8 Init. Jet decanter	Drained? (Yes/No)	NO	NO	
Purge water under #8 press	Is it ON? (should be OFF if using funda)	OFF	OFF	
Eyewash by safety room	Proper flow, temperature & alarm	N/A	DE	

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File Name: WYP0213 DAILY OPERATIONS INSPECTION SHEET(39.0): Owner Name: Bryan, Jeff

BASF Corporation	Title:	Daily Operations Inspection Checklist	
Wya Polyol Plant	No.:	WYP0213	Page 4 of 8

NOTE: MANY ITEMS ON THIS CHECKLIST ARE LEGAL REQUIREMENTS. IT IS MANDATORY THAT THIS CHECKLIST IS FILLED OUT COMPLETELY, AND RETURNED TO THE OPERATIONS SUPERVISOR FOR FILING. RECORDS ARE KEPT FOR 5 YEARS.

Date: 6-25-10 Days Operator: DE Supervisor: LO

Nights Operator: JF Supervisor:

Item	Check	Days	Nights	Comments
	Free of dents, dings, bulging, creasing, etc? (Yes/No)	YES	Y	
	Grounded? (Yes/No)	YES	Y	
Hazardous Waste **Accumulation** Area #9	Drum Level (1/4, 1/2, etc)	1/3	1/3	
	Drained? (Yes/No)	YES	Y	
	Area spill free? (Yes/No)	YES	Y	
	Labeled as monomer waste? (Yes/No)	YES	Y	
	Record the date on the label of drum:	Date 6-23	Date 6-23	
	Is the date on the label <45 days: (Yes/No)	YES	Y	
	Does Drum need to be changed out? (Yes/No)	NO	NO	
	Free of leaks or evidence of leaking? (Yes/No)	YES	Y	
	Free of dents, dings, bulging, creasing, etc? (Yes/No)	YES	Y	
	Grounded? (Yes/No)	YES	Y	
Hazardous Waste **Accumulation** Area #4	Drum Level (1/4, 1/2, etc)	1/3	1/2	
	Drained? (Yes/No)	YES	Y	
	Area spill free? (Yes/No)	YES	Y	
	Labeled as monomer waste? (Yes/No)	YES	Y	
	Record the date on the label of drum:	Date 6-27	Date 6-27	
	Is the date on the label <45 days? (Yes/No)	YES	Y	
	Does Drum need to be changed out? (Yes/No)	NO	NO	
	Free of leaks or evidence of leaking? (Yes/No)	YES	Y	
	Free of dents, dings, bulging, creasing, etc? (Yes/No)	YES	Y	
	Grounded? (Yes/No)	YES	Y	
Hazardous Waste **Accumulation** Area #5	Drum Level (1/4, 1/2, etc)	1/2	1/2	
	Drained? (Yes/No)	YES	Y	
	Area spill free? (Yes/No)	YES	Y	
	Labeled as monomer waste? (Yes/No)	YES	Y	
	Record the date on the label of drum:	Date 6-23	Date 6-23	
	Is the date on the label <45 days? (Yes/No)	YES	Y	
	Does Drum need to be changed out? (Yes/No)	NO	NO	
	Free of leaks or evidence of leaking? (Yes/No)	YES	YES	

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BASF Corporation	Title:	Daily Operations Inspection Checklist	
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Date: 6-28-10 Days Operator: DE Supervisor: LO

Nights Operator: JE Supervisor:

Item	Check	Days	Nights	Comments
P-150A west of D-150B in jet room	Any indication of liquids dripping from seal? (Yes/No)	NO	NO	
VP-530D vacuum pump near S-530DB in jet room	Any indication of liquids dripping from seal? (Yes/No)	NO	NO	
P-530DB south of S-530DB in jet room	Any indication of liquids dripping from seal? (Yes/No)	NO	NO	
VP-405D vacuum pump near S-405D in jet room	Any indication of liquids dripping from seal? (Yes/No)	NO	NO	
P-405D south of S-405D in jet room	Any indication of liquids dripping from seal? (Yes/No)	NO	NO	
P-151 west of TK-151 9Reactor vacuum condensate collection tank at ground level	Any indication of liquids dripping from seal? (Yes/No)	NO	NO	
P-153B west of TK-403D scrubber recirculation tank	Any indication of liquids dripping from seal? (Yes/No)	NO	NO	
P-153A west of TK-403D scrubber recirculation tank	Any indication of liquids dripping from seal? (Yes/No)	NO	NO	
Hazardous Waste **Accumulation Area #7**	Drum Level (1/4, 1/2, etc)	1/3	1/3	
	Drained? (Yes/No)	YES	Y	
	Area spill free? (Yes/No)	YES	Y	
	Labeled as monomer waste? (Yes/No)	YES	Y	
	Record the date on the label of drum:	Date 6-12	Date 6-12	
	Is the date on the label <45 days? (Yes/No)	YES	Y	
	Does Drum need to be changed out? (Yes/No)	NO	NO	
	Free of leaks or evidence of leaking? (Yes/No)	YES	Y	
	Free of dents, dings, bulging, creasing, etc? (Yes/No)	YES	Y	
	Grounded? (Yes/No)	YES	Y	
Hazardous Waste **Accumulation Area #8**	Drum Level (1/4, 1/2, etc)	2/3	2/3	
	Drained? (Yes/No)	YES	Y	
	Area spill free? (Yes/No)	YES	Y	
	Labeled as monomer waste? (Yes/No)	YES	Y	
	Record the date on the label of drum:	Date 6-18	Date 6-18	
	Is the date on the label <45 days? (Yes/No)	YES	Y	
	Does Drum need to be changed out? (Yes/No)	NO	NO	
	Free of leaks or evidence of leaking? (Yes/No)	YES	YES	

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File Name: WYP0213 DAILY OPERATIONS INSPECTION SHEET(39.0); Owner Name: Brvan, Jeff

BASF Corporation	Title:	Daily Operations Inspection Checklist	
Wya Polyol Plant	No.:	WYP0213	Page 2 of 8

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Date: 62810 Days Operator: DE Supervisor: LO

Nights Operator: JF Supervisor:

Item	Check	Days	Nights	Comments
[redacted]	If Yes, What is the pH?	N/A	NA	
[redacted]	If Yes, What is the Color?	N/A	NA	
[redacted]	# of Phases in Standing Water Sample? (1/2/NA)	NA	NA	
Eyewash pad by No. 7 RX	Proper flow, temperature & alarm? (Yes/No)	yes	N/A	
#7 & #8 Trench valve	CLOSED? (Yes/No)	NO	NO	
Dust/Vapor collector drain drum by #7 RX. Emptied? (Yes/No)	Drum level (1/4, ½. Etc.)	N/A	OK	
All 5-gallon pails in process area correctly labeled?	Yes or No? (If NO, please label)	N/A	OK	
Hazardous Waste **Accumulation Area #6**	Drum Level (1/4, 1/2, etc)	1/3	1/3	
[redacted]	Drained? (Yes/No)	yes	Y	
[redacted]	Area spill free? (Yes/No)	yes	Y	
[redacted]	Labeled as monomer waste? (Yes/No)	yes	Y	
[redacted]	Record the date on the label of drum:	Date 6-25	Date 6-25	
[redacted]	Is the date on the label <45 days: (Yes/No)	yes	Y	
[redacted]	Does Drum need to be changed out? (Yes/No)	NO	NO	
[redacted]	Free of leaks or evidence of leaking? (Yes/No)	yes	Y	
[redacted]	Free of dents, dings, bulging, creasing, etc? (Yes/No)	yes	Y	
[redacted]	Grounded? (Yes/No)	yes	Y	
A-405B 7Reactor	Any indication of liquids dripping from seal? (Yes/No)	NO	NO	
A-405C 8Reactor	Any indication of liquids dripping from seal? (Yes/No)	NO	NO	
A-408C 8Initiator	Any indication of liquids dripping from seal? (Yes/No)	NO	NO	
A-530 9Initiator	Any indication of liquids dripping from seal? (Yes/No)	NO	NO	
A-405D 9Reactor	Any indication of liquids dripping from seal? (Yes/No)	NO	NO	
VP-151 vacuum pump near D-151B in jet room	Any indication of liquids dripping from seal? (Yes/No)	NO	NO	
P-151A north of D-151B in jet room	Any indication of liquids dripping from seal? (Yes/No)	NO	NO	
P-405 bottom of TK-405D 9Reactor east of knock-out pot	Any indication of liquids dripping from seal? (Yes/No)	NO	NO	
VP-150 vacuum pump near D-150B in jet room	Any indication of liquids dripping from seal? (Yes/No)	NO	NO	

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File Name: WYP0213 DAILY OPERATIONS INSPECTION SHEET(39.0); Owner Name: Brvan Jeff

BASF Corporation	Title:	Daily Operations Inspection Checklist	
Wya Polyol Plant	No.:	WYP0213	Page 1 of 8

NOTE: MANY ITEMS ON THIS CHECKLIST ARE LEGAL REQUIREMENTS. IT IS MANDATORY THAT THIS CHECKLIST IS FILLED OUT COMPLETELY, AND RETURNED TO THE OPERATIONS SUPERVISOR FOR FILING. RECORDS ARE KEPT FOR 5 YEARS.

Date: 6-2-10 Days Operator: DE Supervisor: LO

Nights Operator: JF Supervisor:

Item	Check	Days	Nights	Comments
Emergency radio set on SCAN mode	Record status. Should be set on SCAN mode to monitor the Emergency Channel	YES	YES	
Emergency radio volume	Record status. Volume should be turned "on"	ON	ON	
Confirm that the radios of the Shift Leader and Tank Farm Area Leader are in the SCAN mode.	Record status. Should be set on SCAN mode to monitor the Emergency Channel.	YES	YES	
Control Room pressure	Record pressure. Should be > 0.1"	.07	.07	
Air moisture analyser	Record moisture content. Should be < -90, i.e. -95, -100, etc	-64	-63	
Steam pressure	Record pressure. Should be > 105 psig. & stable	121	121	
Battery backup for temp. Indicator	Record voltage. Should be 24-30 volts	24.8	24.5	
General Monitors-#2 Plant	Record status. No alarms/no malfunctions	None	NONE	
Instrument air pressure	Record pressure. Should be > 90 psig. & stable	100	100	
River water pressure	Record pressure. Should be > 65 psig. & stable	79	79	
Busch Glycol Storage level	Record level. Should be > 50%	63	63	
Busch Glycol Storage Temp.	Record temp. Should be > 140 °F	155	150	
TK526 Temp (Mercaptan)	Record temp. Should be 50-150°F.	77°	77	
EO Transfer Pump	Using P-101B2? (Yes/No) If no report to coordinator	YES	YES	
PO Transfer Pump	Using P-101C2? (Yes/No) If no report to coordinator	YES	YES	
Battery backup	Ready light on? (Yes/No)	YES	YES	
Survive Air packs (Control Room)	Two cleaned and available? (Yes/No)	YES	N/A	
Eyewash pressure	Record pressure. Should be > 60 psig.	65	65	
TMP recycle	Flowing? (Yes/No)	YES	YES	
No 7 jet decanter waste **(Satellite)**	Drained and spill free? (Yes/No)	NO YES	N/A	
[redacted]	Labeled as Jet Decanter Waste? (Yes/No)	YES	YES	
[redacted]	Full & Dated? (Yes/No)	NO	NO	
[redacted]	Grounded? (Yes/No)	YES	YES	
Sulfuric Acid Dike	Is the Dike Empty? (Yes/No)	NO	NO	
[redacted]	If Not, Did You Empty? (Yes/No)	NO	NO	
[redacted]	What Time was Dike Emptied?	NA	NA	

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File Name: WYP0213 DAILY OPERATIONS INSPECTION SHEET/39 01 Owner Name: Bryan, Jeff

BASF Corporation	Title:	Hazardous Waste Satellite Storage Log		
Wya Polyol Plant	No.:	WYP0222	Page:	3 of 4

HAZARDOUS WASTE < 90 DAY ACCUMULATIONS STORAGE AREA - INSPECTION/TRANSFER LOG
RETURN COMPLETED LOG TO SUPERVISOR TO BE FILED IN THE POLYOL DOCUMENT CENTER
SITE WASTE WARHOUSE HOURS MONDAY/WEDNESDAY 1-2PM, FRIDAY 10-11 AM

DATE: 6-21-10 TIME: 11:30 INSPECTED BY (PRINT FULL NAME): JERRY FIGURSKI

NUMBER	DESCRIPTION	RECORD THE DATE OFF THE LABEL. IS IT <45 DAYS OLD?	LABELS PRESENT	LABELS COLORS	LABELS LEGIBLE	DRUM CONDITION	CONTAINER LIDS CLOSED	LEAKED DRUMS	DRUMS DOT SPECS
4	Monomer Waste (W-010)	Date: 6/12	OK	OK	PART	OK	OK	N/A	N/A
5	Monomer Waste (W-010)	Date: 5/22	OK	OK	PART	OK	OK	N/A	N/A
6	Monomer Waste (W-010)	Date: 6/3	OK	OK	PART	OK	OK	N/A	N/A
7	Monomer Waste (W-010)	Date: 6/12	OK	OK	PART	OK	OK	N/A	N/A
8	Monomer Waste (W-010)	Date: 6/18	OK	OK	PART	OK	OK	N/A	N/A
9	Monomer Waste (W-010)	Date: 6/5	OK	OK	PART	OK	OK	N/A	N/A

WASTE TRANSFERS / COMMENTS (PLEASE LOG ALL TRANSFERS WITH INDIVIDUAL CONTAINER WEIGHTS IN POUNDS)

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Printed: Mon Jun 21 11:25:40 EDT 2010; Expires: Tue Jun 22 11:25:40 EDT 2010
File Name: WYP0222 HAZARDOUS WASTE SATELLITE STORAGE LOG(6.0); Owner Name: Bryan, Jeff

BASF Corporation	Title:	Hazardous Waste Satellite Storage Log		
Wya Polyol Plant	No.:	WYP0222	Page:	1 of 4

WASTE SATELLITE STORAGE AREA - INSPECTION/TRANSFER LOG
RETURN COMPLETED LOG TO SUPERVISOR TO BE FILED IN THE POLYOL DOCUMENT CENTER
SITE WASTE WARHOUSE HOURS MONDAY/WEDNESDAY 1-2PM, FRIDAY 10-11 AM

DATE: 6-21-10 TIME: 11:30 INSPECTED BY (PRINT FULL NAME): JERRY FIGUERSKI

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2	#7 Jet Decanter Waste (W-035)	OK	OK	OK	OK	PART	YES	YES	N/A	N/A
1	Neutralized MDI Waste (W-067)	OK	OK	OK	OK	PART	YES	YES	N/A	N/A
11	Monomer Waste (W-010)	OK	OK	OK	OK	PART	YES	YES	N/A	N/A
	D702 Knock Out Waste (P-025) (Would be located near Oxide KO pot at TO this waste is generated in relation with TO trips.)	—	NO		DRUM		—			
12	Neutralized TDI Waste (W-068)	OK	OK	OK	OK	PART	YES	YES	N/A	N/A
13	Sugar/Pent/Polyol (A-645)	OK	OK	OK	OK	PART	YES	YES	N/A	N/A
15	Waste Toluene Filters (#3BB for carbon beds) (W-799)	OK	OK	OK	OK	PART	YES	YES	N/A	N/A
	Used Oil (A-603-08) Flammable Shed Maintence Pad	OK	OK	OK	OK	PART	YES	YES	N/A	N/A
	Polyol QA Waste (W-760) (Will be inside of retain room)	OK	OK	OK	OK	PART	YES	YES	N/A	N/A
	Crushed Glass (A-616) (Will be inside of retain room)	OK	OK	OK	OK	PART	YES	YES	N/A	N/A

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Printed: Mon Jun 21 11:25:40 EDT 2010; Expires: Tue Jun 22 11:25:40 EDT 2010
File Name: WYP0222 HAZARDOUS WASTE SATELLITE STORAGE LOG(6.0); Owner Name: Bryan, Jeff

BASF Corporation	Title:	Hazardous Waste Satellite Storage Log		
Wya Polyol Plant	No.:	WYP0222	Page:	3 of 4

HAZARDOUS WASTE < 90 DAY ACCUMULATIONS STORAGE AREA - INSPECTION/TRANSFER LOG
RETURN COMPLETED LOG TO SUPERVISOR TO BE FILED IN THE POLYOL DOCUMENT CENTER
SITE WASTE WARHOUSE HOURS MONDAY/WEDNESDAY 1-2PM, FRIDAY 10-11 AM

DATE: 6/14/10 TIME: 1300 INSPECTED BY (PRINT FULL NAME): Jason Wilson

		START DATE ON LABEL IS <11 MONTHS								
1	Waste Batteries **(U-800)** Supervisor's Office **(Dispose of >11 months)**	Y	Y	Y	Y	Y	1/8	Y	N	Ø
2	Waste Batteries **(U-800)** Maintenance Shop **(Dispose of >11 months)**	Y	Y	Y	Y	Y	3/4	Y	N	Ø

WASTE TRANSFERS / COMMENTS (PLEASE LOG ALL TRANSFERS WITH INDIVIDUAL CONTAINER WEIGHTS IN POUNDS)

UNCONTROLLED COPY
Printed: Mon Jun 14 13:00:55 EDT 2010; Expires: Tue Jun 15 13:00:55 EDT 2010
File Name: WYP0222 HAZARDOUS WASTE SATELLITE STORAGE LOG(10.0). Owner Name: Bryan Jeff

BASF Corporation	Title:	Hazardous Waste Satellite Storage Log		
Wya Polyol Plant	No.:	WYP0222	Page:	3 of 4

HAZARDOUS WASTE < 90 DAY ACCUMULATIONS STORAGE AREA - INSPECTION/TRANSFER LOG

RETURN COMPLETED LOG TO SUPERVISOR TO BE FILED IN THE POLYOL DOCUMENT CENTER

SITE WASTE WARHOUSE HOURS MONDAY/WEDNESDAY 1-2PM, FRIDAY 10-11 AM

DATE: 6/14/10 TIME: 1300 INSPECTED BY (PRINT FULL NAME): Jason Wilson

		RECORD THE DATE OFF THE LABEL, IS IT <45 DAYS OLD?							
4	Monomer Waste (W-010)	Date: 6/12	Y	Y	1/2	Y	Y	N	
5	Monomer Waste (W-010)	Date: 5/27	Y	Y	1/4	Y	Y	N	1
6	Monomer Waste (W-010)	Date: 6/3	Y	Y	1/4	Y	Y	N	
7	Monomer Waste (W-010)	Date: 6/12	Y	Y	1/4	Y	Y	N	2
8	Monomer Waste (W-010)	Date: 5/27	Y	Y	1/2	Y	Y	N	
9	Monomer Waste (W-010)	Date: 6/5	Y	Y	1/4	Y	Y	N	1

WASTE TRANSFERS / COMMENTS (PLEASE LOG ALL TRANSFERS WITH INDIVIDUAL CONTAINER WEIGHTS IN POUNDS)

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HAZARDOUS WASTE < 90 DAY ACCUMULATIONS STORAGE AREA - INSPECTION/TRANSFER LOG
RETURN COMPLETED LOG TO SUPERVISOR TO BE FILED IN THE POLYOL DOCUMENT CENTER

	Waste Aerosols **(W-904)** In Maintence Shop	Y	Y	Y	Y	1/2	N	Y	N	Ø

WASTE TRANSFERS / COMMENTS (PLEASE LOG ALL TRANSFERS WITH INDIVIDUAL CONTAINER WEIGHTS IN POUNDS

W127 -8

UNCONTROLLED COPY
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BASF Corporation	Title:	Hazardous Waste Satellite Storage Log		
Wya Polyol Plant	No.:	WYP0222	Page:	1 of 4

WASTE SATELLITE STORAGE AREA - INSPECTION/TRANSFER LOG

RETURN COMPLETED LOG TO SUPERVISOR TO BE FILED IN THE POLYOL DOCUMENT CENTER

SITE WASTE WARHOUSE HOURS MONDAY/WEDNESDAY 1-2PM, FRIDAY 10-11 AM

DATE: 6/14/10 TIME: 1300 INSPECTED BY (PRINT FULL NAME): Jason Wilson

2	#7 Jet Decanter Waste (W-035)	Y	Y	Y	Y	MT	Y	Y	N	Ø
1	Neutralized MDI Waste (W-067)	Y	Y	Y	Y	1/2	N	Y	N	Ø
11	Monomer Waste (W-010)	Y	Y	Y	Y	1/4	Y	Y	N	Ø
	D702 Knock Out Waste (P-025) (Would be located near Oxide KO pot at TO this waste is generated in relation with TO trips.)			NO		Drum				
12	Neutralized TDI Waste (W-068)	Y	Y	Y	Y	1/8	Y	Y	N	Ø
13	Sugar/Pent/Polyol (A-645)	Y	Y	Y	Y	MT	N	Y	N	Ø
15	Waste Toluene Filters (#3BB for carbon beds) (W-799)	Y	Y	Y	Y	1/3	N	Y	N	Ø
	Used Oil (A-603-08) Flammable Shed Maintence Pad	Y	Y	Y	Y	1/3	Y	Y	N	Ø
	Polyol QA Waste (W-760) (Will be inside of retain room)	Y	Y	Y	Y	ok	N	Y	N	Ø
	Crushed Glass (A-616) (Will be inside of retain room)	Y	Y	Y	Y	ok	N	Y	N	Ø

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File Name: WYP0222 HAZARDOUS WASTE SATELLITE STORAGE LOG(10.0): Owner Name: Bryan, Jeff

BASF Corporation	Title:	Hazardous Waste Satellite Storage Log		
Wya Polyol Plant	No.:	WYP0222	Page:	3 of 4

HAZARDOUS WASTE < 90 DAY ACCUMULATIONS STORAGE AREA - INSPECTION/TRANSFER LOG
RETURN COMPLETED LOG TO SUPERVISOR TO BE FILED IN THE POLYOL DOCUMENT CENTER
SITE WASTE WARHOUSE HOURS MONDAY/WEDNESDAY 1-2PM, FRIDAY 10-11 AM

DATE: 6/11/10 TIME: 12:00 INSPECTED BY (PRINT FULL NAME): JERRY FIQUASKI

		START DATE ON LABEL IS <11 MONTHS								
1	Waste Batteries (U-800) Supervisor's Office (Dispose of >11 months)	OK	OK	OK	OK	OK	PALT	YES	N/A	N/A
2	Waste Batteries (U-800) Maintenance Shop (Dispose of >11 months)	OK	OK	OK	OK	OK	PALT	YES	N/A	N/A

WASTE TRANSFERS / COMMENTS (PLEASE LOG ALL TRANSFERS WITH INDIVIDUAL CONTAINER WEIGHTS IN POUNDS)

UNCONTROLLED COPY
Printed: Fri Jun 11 11:36:04 EDT 2010; Expires: Sat Jun 12 11:36:04 EDT 2010
File Name: WYP0222 HAZARDOUS WASTE SATELLITE STORAGE LOG(10 0); Owner Name: Bryan, Jeff

BASF Corporation	Title:	Hazardous Waste Satellite Storage Log		
Wya Polyol Plant	No.:	WYP0222	Page:	3 of 4

HAZARDOUS WASTE < 90 DAY ACCUMULATIONS STORAGE AREA - INSPECTION/TRANSFER LOG
RETURN COMPLETED LOG TO SUPERVISOR TO BE FILED IN THE POLYOL DOCUMENT CENTER
SITE WASTE WARHOUSE HOURS MONDAY/WEDNESDAY 1-2PM, FRIDAY 10-11 AM

DATE: 6/11/10 TIME: 12:00 INSPECTED BY (PRINT FULL NAME): JERRY FIGURSKI

		RECORD THE DATE OFF THE LABEL, IS IT <45 DAYS OLD?							
4	Monomer Waste (W-010)	Date: 6/11	OK	OK	PART	YES	YES	N/A	N/A
5	Monomer Waste (W-010)	Date: 4/28	OK	OK	PART	YES	YES	N/A	N/A
6	Monomer Waste (W-010)	Date: 6/3	OK	OK	PART	YES	YES	N/A	N/A
7	Monomer Waste (W-010)	Date: 5/22	OK	OK	PART	YES	YES	N/A	N/A
8	Monomer Waste (W-010)	Date: 5/27	OK	OK	PART	YES	YES	N/A	N/A
9	Monomer Waste (W-010)	Date: 6/5	OK	OK	PART	YES	YES	N/A	N/A

WASTE TRANSFERS / COMMENTS (PLEASE LOG ALL TRANSFERS WITH INDIVIDUAL CONTAINER WEIGHTS IN POUNDS)

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HAZARDOUS WASTE < 90 DAY ACCUMULATIONS STORAGE AREA - INSPECTION/TRANSFER LOG
RETURN COMPLETED LOG TO SUPERVISOR TO BE FILED IN THE POLYOL DOCUMENT CENTER

	Waste Aerosols (W-904) In Maintence Shop	OK	OK	OK	OK	PART	NO	YES	N/A	N/A

WASTE TRANSFERS / COMMENTS (PLEASE LOG ALL TRANSFERS WITH INDIVIDUAL CONTAINER WEIGHTS IN POUNDS

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BASF Corporation	Title:	Hazardous Waste Satellite Storage Log		
Wya Polyol Plant	No.:	WYP0222	Page:	1 of 4

WASTE SATELLITE STORAGE AREA - INSPECTION/TRANSFER LOG
RETURN COMPLETED LOG TO SUPERVISOR TO BE FILED IN THE POLYOL DOCUMENT CENTER
SITE WASTE WARHOUSE HOURS MONDAY/WEDNESDAY 1-2PM, FRIDAY 10-11 AM

DATE: 6/11/10 TIME: 12:00 INSPECTED BY (PRINT FULL NAME): JERRY FIGURSKI

2	#7 Jet Decanter Waste (W-035)	OK	OK	OK	OK	PART	YES	YES	N/A	N/A
1	Neutralized MDI Waste (W-067)	OK	OK	OK	OK	PART	NO	YES	N/A	N/A
11	Monomer Waste (W-010)	OK	OK	OK	OK	PART	YES	YES	N/A	N/A
	D702 Knock Out Waste (P-025) (Would be located near Oxide KO pot at TO this waste is generated in relation with TO trips.)	NONE								
12	Neutralized TDI Waste (W-068)	OK	OK	OK	OK	PART	YES	YES	N/A	N/A
13	Sugar/Pent/Polyol (A-645)	OK	OK	OK	OK	PART	YES	YES	N/A	N/A
15	Waste Toluene Filters (#3BB for carbon beds) (W-799)	OK	OK	OK	OK	PART	NO	YES	N/A	N/A
	Used Oil (A-603-08) Flammable Shed Maintence Pad	OK	OK	OK	OK	PART	NO	YES	N/A	N/A
	Polyol QA Waste (W-760) (Will be inside of retain room)	OK	OK	OK	OK	PART	YES	YES	N/A	N/A
	Crushed Glass (A-616) (Will be inside of retain room)	OK	OK	OK	OK	PART	YES	YES	N/A	N/A

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File Name: WYP0222 HAZARDOUS WASTE SATELLITE STORAGE LOG(10.0), Owner Name: Bryan, Jeff

BASF Corporation	Title:	Daily Operations Inspection Checklist	
Wya Polyol Plant	No.:	WYP0213	Page 8 of 8

NOTE: MANY ITEMS ON THIS CHECKLIST ARE LEGAL REQUIREMENTS. IT IS MANDATORY THAT THIS CHECKLIST IS FILLED OUT COMPLETELY, AND RETURNED TO THE OPERATIONS SUPERVISOR FOR FILING. RECORDS ARE KEPT FOR 5 YEARS.

Date: 06/07/10 Days Operator: ANC Supervisor: JLF

Nights Operator: [illegible] Supervisor:

	Item	Check	Days	Nights					Comments
			A	B	C	D	E	F	
19	Outlet Temp. on Busch Pumps (Check on Midnights) *SEE NOTE*	Record temp. Should be 100-160°F	165	168	160	168	155	—	
20	Busch pump A in Busch room	Any indication of liquid dripping from seal? (Yes/No)	No	wo					
21	Busch pump B in Busch room	Any indication of liquid dripping from seal? (Yes/No)	No	wo					
22	Busch pump C in Busch room	Any indication of liquid dripping from seal? (Yes/No)	No	wo					
23	Busch pump F in Busch room	Any indication of liquid dripping from seal? (Yes/No)	N/A	—					
24	Busch pump E in Busch room	Any indication of liquid dripping from seal? (Yes/No)	No	wo					
25	Busch pump D in Busch room	Any indication of liquid dripping from seal? (Yes/No)	No	wo					
26	P-510A monomer mix tank pump	Any indication of liquid dripping from seal? (Yes/No)	No	wo					
27	P-510 mixed monomer tank pump	Any indication of liquid dripping from seal? (Yes/No)	No	wo					
28	P-525	Any indication of liquid dripping from seal? (Yes/No)	No	wo					
29	P-529	Any indication of liquid dripping from seal? (Yes/No)	No	wo					
30	P-528 CGR Pump	Any indication of liquid dripping from seal? (Yes/No)	No	wo					
31	P-413C recycled monomer pump	Any indication of liquid dripping from seal? (Yes/No)	No	wo					
32	Recycle TK413C for ½ hour each shift in automatic unless producing P-1528 and or P-1365.	Verify flow and temp of pump. Ok? (Yes/No)	Yes	Y					

***If #10RX and PCGR are down leave one busch pump running and shut down the remaining pumps. Rotate that pump to a different pump every four hours.**

REVISIONS

1. Update title and number of document. Deniz Hinz 6/18/08
2. Add Monomer pumps to the inspection sheet for graft Joel Young 6/18/09
3. Added language for consistency, eliminated blanks, removed references to #7/#8/#10 Operator, general cleanup to 8 pages from 11 DHE 10/23/09

UNCONTROLLED COPY
Printed: Mon Jun 07 13:38:38 EDT 2010; Expires: Tue Jun 08 13:38:38 EDT 2010
File Name: WYP0213 DAILY OPERATIONS INSPECTION SHEET(45.25); Owner Name: Bryan, Jeff

BASF Corporation	Title:	Daily Operations Inspection Checklist	
Wya Polyol Plant	No.:	WYP0213	Page 7 of 8

NOTE: MANY ITEMS ON THIS CHECKLIST ARE LEGAL REQUIREMENTS. IT IS MANDATORY THAT THIS CHECKLIST IS FILLED OUT COMPLETELY, AND RETURNED TO THE OPERATIONS SUPERVISOR FOR FILING. RECORDS ARE KEPT FOR 5 YEARS.

Date: 06/07/10 Days Operator: PNC Supervisor: JLF

Nights Operator: _____ Supervisor: _____

Item		Check	Days	Nights	Comments
[redacted]		Results Legible and Clear? (Yes/No)	Yes	Y	
[redacted]		If Problem, was Maintenance Notified? (Yes/No)	N/A	N	
Small Britesorb dump box.		Empty? (Yes/No)	Yes	Y	
[redacted]		Free of leaks or evidence of leaking? (Yes/No)	Yes	Y	
[redacted]		If box is under funda, Is the lid down? (Yes/No)	—	—	
[redacted]		Area is clean and clear of ANY spilled material? (Yes/No)	Yes	Y	
[redacted]		Filter cake Under No.8 & 9 Funda & No. 8 Sparkler? (Yes/No)	ok	ok	
All 5 gallon pails in process area correctly labeled		(Yes/No) (If NO, please label)	N/A	—	
#9 Initiator base charging tote		Level of tote/ Emptied (Yes/No)	1/2 NO	1/3	
No. 9 Init. jet decanter		Drained? (Yes/No)	NO	N	
No. 9 Rx jet decanter		Drained and Purged EACH Shift? (Yes/No)	NO	N	
No. 9 Init. Agitator Seal		Record Level in sight glass. Should be visible.	1/2	1/2	
1	Eyewash Busch building	Proper flow & temperature & alarm? (Yes/No)	—	N/A	
2	Busch rupture disc pres.	Should be 0 psig. Enter MJ if disc has failed.	0	N/A	
3	#10 Rx rupture disc pres.	Should be 0 psig. Enter MJ if disc has failed.	0	N/A	
4	#10 Rx Agitator Seal Pres.	Record pressure. Should be 15 psig	16	17	
5	#10 Rx Agitator Seal Level	Should be visible (Yes/No)	7/8	3/4	
6	Eyewash - Deck by VB tank	Proper flow? (Yes/No)	—	—	
7	9 hold agitator	Seal level (1/4,1/2, Full)	—	—	
8	Eyewash by sulfuric acid tank	Proper, flow, temperature & alarm (Yes/No)	—	ok	
9	Eyewash by #9 Init. Charging	Proper flow & temperature & alarm (Yes/No)	—	ok	
10	#9 Trench valve	Should be CLOSED (Yes/No)	Closed	C	
11	#10 Trench valve	Should be CLOSED (Yes/No)	Closed	C	
12	No 9 Hold Tank pump seal pot pressure	Record pressure. Should be between 200-230 psig	215	215	
13	9 Hold pump	Record Seal pot level (1/2,1/4,etc.)	1/3	1/3	
14	9 Flash pump	Record Seal pot level (1/2,1/4,etc.)	1/2	1/2	
15	No 9 flash tank pump seal pot pressure	Record pressure. Should be between 200-230 psig	190	190	
16	Eyewash by graft pumpout header	Proper flow & temperature & alarm? (Yes/No)	—	ok	
17	Eyewash by truck load	Proper flow & temperature & alarm? (Yes/No)	—	ok	
18	Eyewash by Tk-526	Proper flow & temperature & alarm? (Yes/No)	—	ok	

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Wya Polyol Plant	No.:	WYP0213	Page 6 of 8

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Date: 06/07/10 Days Operator: PAC Supervisor: JLF

Nights Operator: _____ Supervisor: _____

Item	Check	Days	Nights	Comments
Dust collector bag level (%)	Record level. Should be < 75% (empty as needed)	N/A	DNC	
Busch Pump Oil tank	Dike free of spills? No evidence of any leaks? (Yes/No)	ok	ok	
No. 2 Plant Warehouse Product and Raw material Drums and Bags in.	Warehouse is free of leaking drums and spilled / torn bags? (Yes/No)	ok	ok	
#8 Reactor jet decanter level	Report Level Drained (Yes/No)	mt/NO	wt/wo	
Vazo Room- Floor is clear of pallets and plastic or other debris.	(Yes/No) If NO (Please clean up)	ok	ok	
All 5-gal pails in process area correctly labeled	(Yes/No) (If NO, please label)	N/A	—	
Britesorb Roll Off boxes	Cover closed? (Yes/No)	NO	w	
[redacted]	Sufficient water level in box? (Yes/No)	YES	Y	
[redacted]	Area spill free? (Yes/No)	YES	Y	
[redacted]	Box needs emptying? (Yes/No)	YES	Y	
[redacted]	If < 2 boxes need emptying, report to foreman. (Save waste $$)	YES	Y	
[redacted]	Labeled with dated non-hazardous waste label? (Yes/No)	YES	Y	
[redacted]	PH value? (Monday and Thursday only)	N/A	—	
[redacted]	Free of leaks or evidence of leaking? (Yes/No)	YES	Y	
#7 and #8 base charging drain tote	Level of tote/ Emptied? (Yes/No)	7/8 / NO	3/4	
No. 8 Rx. Rupture disc pressure	Record pressure. Should be 0 psig.	0	—	
No. 8 Rx seal oil	Record level in sight glass. Should be visible	7/8	3/4	
No. 8 Rx seal nitrogen	Record pressure. Should be > 100 psig.	100	100	
No. 8 Init. seal oil	Record level in sight glass. Should be visible	3/4	3/4	
No. 8 Init. seal nitrogen	Record pressure. Should be > 110 psig.	118	120	
Water flow to:(Flow indicated in sight glass)	No. 8 Init. Seals. Visible flow? (Yes/No)	ok	ok	
[redacted]	No. 8 Rect. Seals (outlet pipe west side rx)Flow visible? (Yes/No)	ok	ok	
[redacted]	No. 8 Gyrol cooler. Flow visible? (Yes/No)	ok	ok	
[redacted]			—	
Thermal Ox. -- Air Monitoring Yokagawa Strip Chart in Control Rm.	Does it have paper? (Yes/No)	YES	Y	
[redacted]	Record status. Power on? (Yes/No)	on	ok	
[redacted]	Is Paper Jammed? (Yes/No)	YES/Cleared	ok	
[redacted]	Is Start Button Green? (Yes/No)	YES	Y	

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BASF Corporation	Title:	Daily Operations Inspection Checklist	
Wya Polyol Plant	No.:	WYP0213	Page 5 of 8

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Date: 06/07/10 Days Operator: CAC Supervisor: JLF

Nights Operator: MG Supervisor:

Item	Check	Days	Nights	Comments
	Free of dents, dings, bulging, creasing, etc? (Yes/No)	YES	Y	
	Grounded? (Yes/No)	YES	Y	
Hazardous Waste Satellite Area #11	Drum Level (1/4, 1/2, etc)	1/3	1/3	
	Drained? (Yes/No)	YES	Y	
	Area spill free? (Yes/No)	YES	Y	
	Labeled as monomer waste? (Yes/No)	YES	Y	
	Changed and dated if full? (Yes/No)	N/A	—	
	Free of leaks or evidence of leaking? (Yes/No)	YES	Y	
	Free of dents, dings, bulging, creasing, etc? (Yes/No)	YES	Y	
	Grounded? (Yes/No)	YES	Y	
Containment Tote for Busch Pump Room Floor Drain	Tote empty? (Yes/No)	NO	NO	
	If not empty, determine what is inside. If just water from washing Busch pump room, then can empty into trench. If ethylene glycol, used oil, or unknown / unsure, contact Operations Engineer.	H_2O	WATER	
	Area spill free? (Yes/No)	YES	Y	
	Labeled as wastewater? (Yes/No)	YES	Y	
	Free of leaks or evidence of leaking? (Yes/No)	YES	Y	
	Free of dents, dings, bulging, creasing, etc? (Yes/No)	YES	Y	
Satellite Area Supplies	One pallet of new drums available? (Yes/No)	N/A	ok	
Ionol supply adequate?	(Yes/No)	YES	Y	
No. 7 Rx. Oil seal	Record level in sight glass	1/3	1/3	
No. 7 Rx. Nitrogen seal	Record pressure. Should be > 100 psig.	105	108	
Water flow to: (Flow indicated in sight glass)	No. 7 reactor seal. Flow visible? (Yes/No)	OK	ok	
No. 7 Gyrol cooler. Flow visible?	(Yes/No)	OK	ok	
-408Water scrubber flow rate. Flow rate of water through T-408 in jet room	Record flowrate. Should be > 50 gpm	136	148	
Eyewash- Niko Tank	Proper flow, temperature & alarm	N/A	—	
No. 8 Init. Jet decanter	Drained? (Yes/No)	NO	NO	
Purge water under #8 press	Is it ON? (should be OFF if using funda)	OFF	OFF	
Eyewash by safety room	Proper flow, temperature & alarm	N/A	—	

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BASF Corporation	Title:	Daily Operations Inspection Checklist	
Wya Polyol Plant	No.:	WYP0213	Page 4 of 8

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Date: 06/07/10 Days Operator: CAC Supervisor: JLF

Nights Operator: MG Supervisor:

Item	Check	Days	Nights	Comments
	Free of dents, dings, bulging, creasing, etc? (Yes/No)	YES	Y	
	Grounded? (Yes/No)	YES	Y	
Hazardous Waste **Accumulation Area #9**	Drum Level (1/4, 1/2, etc)	1/3	1/3	
	Drained? (Yes/No)	YES	Y	
	Area spill free? (Yes/No)	YES	Y	
	Labeled as monomer waste? (Yes/No)	YES	Y	
	Record the date on the label of drum:	Date 6-5	Date 6-5	
	Is the date on the label <45 days: (Yes/No)	YES	Y	
	Does Drum need to be changed out? (Yes/No)	NO	N	
	Free of leaks or evidence of leaking? (Yes/No)	YES	Y	
	Free of dents, dings, bulging, creasing, etc? (Yes/No)	YES	Y	
	Grounded? (Yes/No)	YES	Y	
Hazardous Waste **Accumulation Area #4**	Drum Level (1/4, 1/2, etc)	1/2	1/2	
	Drained? (Yes/No)	YES	Y	
	Area spill free? (Yes/No)	YES	Y	
	Labeled as monomer waste? (Yes/No)	YES	Y	
	Record the date on the label of drum:	Date 6-6	Date 6-6	
	Is the date on the label <45 days? (Yes/No)	YES	Y	
	Does Drum need to be changed out? (Yes/No)	NO	N	
	Free of leaks or evidence of leaking? (Yes/No)	YES	Y	
	Free of dents, dings, bulging, creasing, etc? (Yes/No)	YES	Y	
	Grounded? (Yes/No)	YES	Y	
Hazardous Waste **Accumulation Area #5**	Drum Level (1/4, 1/2, etc)	1/2	1/3	
	Drained? (Yes/No)	YES	Y	
	Area spill free? (Yes/No)	YES	Y	
	Labeled as monomer waste? (Yes/No)	YES	Y	
	Record the date on the label of drum:	Date 5-22	Date 5-22	
	Is the date on the label <45 days? (Yes/No)	YES	Y	
	Does Drum need to be changed out? (Yes/No)	NO	N	
	Free of leaks or evidence of leaking? (Yes/No)	YES	Y	

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BASF Corporation	Title:	Daily Operations Inspection Checklist	
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Date: 06/07/10 Days Operator: CAC Supervisor: JLF

Nights Operator: MILE Supervisor:

Item	Check	Days	Nights	Comments
P-150A west of D-150B in jet room	Any indication of liquids dripping from seal? (Yes/No)	NO	NO	
VP-530D vacuum pump near S-530DB in jet room	Any indication of liquids dripping from seal? (Yes/No)	NO	NO	
P-530DB south of S-530DB in jet room	Any indication of liquids dripping from seal? (Yes/No)	NO	NO	
VP-405D vacuum pump near S-405D in jet room	Any indication of liquids dripping from seal? (Yes/No)	NO	NO	
P-405D south of S-405D in jet room	Any indication of liquids dripping from seal? (Yes/No)	NO	NO	
P-151 west of TK-151 9Reactor vacuum condensate collection tank at ground level	Any indication of liquids dripping from seal? (Yes/No)	NO	NO	
P-153B west of TK-403D scrubber recirculation tank	Any indication of liquids dripping from seal? (Yes/No)	NO	NO	
P-153A west of TK-403D scrubber recirculation tank	Any indication of liquids dripping from seal? (Yes/No)	NO	NO	
Hazardous Waste **Accumulation Area #7**	Drum Level (1/4, 1/2, etc)	1/2	1/2	
	Drained? (Yes/No)	YES	Y	
	Area spill free? (Yes/No)	YES	Y	
	Labeled as monomer waste? (Yes/No)	YES	Y	
	Record the date on the label of drum:	Date 4-28	Date 4-28	
	Is the date on the label <45 days? (Yes/No)	YES	Y	
	Does Drum need to be changed out? (Yes/No)	NO	N	
	Free of leaks or evidence of leaking? (Yes/No)	YES	Y	
	Free of dents, dings, bulging, creasing, etc? (Yes/No)	YES	Y	
	Grounded? (Yes/No)	YES	Y	
Hazardous Waste **Accumulation Area #8**	Drum Level (1/4, 1/2, etc)	1/2	1/3	
	Drained? (Yes/No)	YES	Y	
	Area spill free? (Yes/No)	YES	Y	
	Labeled as monomer waste? (Yes/No)	YES	Y	
	Record the date on the label of drum:	Date 5-22	Date 5-22	
	Is the date on the label <45 days? (Yes/No)	YES	Y	
	Does Drum need to be changed out? (Yes/No)	NO	N	
	Free of leaks or evidence of leaking? (Yes/No)	YES	Y	

UNCONTROLLED COPY
Printed: Mon Jun 07 13:38:38 EDT 2010; Expires: Tue Jun 08 13:38:38 EDT 2010
File Name: WYP0213 DAILY OPERATIONS INSPECTION SHEET(45.25); Owner Name: Bryan, Jeff

BASF Corporation	Title:	Daily Operations Inspection Checklist	
Wya Polyol Plant	No.:	WYP0213	Page 2 of 8

NOTE: MANY ITEMS ON THIS CHECKLIST ARE LEGAL REQUIREMENTS. IT IS MANDATORY THAT THIS CHECKLIST IS FILLED OUT COMPLETELY, AND RETURNED TO THE OPERATIONS SUPERVISOR FOR FILING. RECORDS ARE KEPT FOR 5 YEARS.

Date: 06/07/10 Days Operator: CRC Supervisor: JLF

Nights Operator: MIKE Supervisor: _____

Item	Check	Days	Nights	Comments
[redacted]	If Yes, What is the pH?	N/A	N/A	
[redacted]	If Yes, What is the Color?	N/A	N/A	
[redacted]	# of Phases in Standing Water Sample? (1/2/NA)	N/A	N/A	
Eyewash pad by No. 7 RX	Proper flow, temperature & alarm? (Yes/No)	—	N/A	
#7 & #8 Trench valve	CLOSED? (Yes/No)	open	open	
Dust/Vapor collector drain drum by #7 RX. Emptied? (Yes/No)	Drum level (1/4, ½. Etc.)	N/A	—	
All 5-gallon pails in process area correctly labeled?	Yes or No? (If NO, please label)	N/A	—	
Hazardous Waste **Accumulation Area** #6	Drum Level (1/4, 1/2, etc)	1/4	1/3	
[redacted]	Drained? (Yes/No)	YES	Y	
[redacted]	Area spill free? (Yes/No)	YES	Y	
[redacted]	Labeled as monomer waste? (Yes/No)	YES	Y	
[redacted]	Record the date on the label of drum:	Date 6-3	Date 6-3	
[redacted]	Is the date on the label <45 days: (Yes/No)	YES	Y	
[redacted]	Does Drum need to be changed out? (Yes/No)	NO	N	
[redacted]	Free of leaks or evidence of leaking? (Yes/No)	YES	Y	
[redacted]	Free of dents, dings, bulging, creasing, etc? (Yes/No)	YES	Y	
[redacted]	Grounded? (Yes/No)	YES	Y	
A-405B 7Reactor	Any indication of liquids dripping from seal? (Yes/No)	NO	NO	
A-405C 8Reactor	Any indication of liquids dripping from seal? (Yes/No)	NO	NO	
A-408C 8Initiator	Any indication of liquids dripping from seal? (Yes/No)	NO	NO	
A-530 9Initiator	Any indication of liquids dripping from seal? (Yes/No)	NO	NO	
A-405D 9Reactor	Any indication of liquids dripping from seal? (Yes/No)	NO	NO	
VP-151 vacuum pump near D-151B in jet room	Any indication of liquids dripping from seal? (Yes/No)	NO	NO	
P-151A north of D-151B in jet room	Any indication of liquids dripping from seal? (Yes/No)	NO	NO	
P-405 bottom of TK-405D 9Reactor east of knock-out pot	Any indication of liquids dripping from seal? (Yes/No)	NO	NO	
VP-150 vacuum pump near D-150B in jet room	Any indication of liquids dripping from seal? (Yes/No)	NO	NO	

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File Name: WYP0213 DAILY OPERATIONS INSPECTION SHEET(45.25): Owner Name: Bryan, Jeff

BASF Corporation	Title:	Daily Operations Inspection Checklist	
Wya Polyol Plant	No.:	WYP0213	Page 1 of 8

NOTE: MANY ITEMS ON THIS CHECKLIST ARE LEGAL REQUIREMENTS. IT IS MANDATORY THAT THIS CHECKLIST IS FILLED OUT COMPLETELY, AND RETURNED TO THE OPERATIONS SUPERVISOR FOR FILING. RECORDS ARE KEPT FOR 5 YEARS.

Date: 06/07/10 Days Operator: CAC Supervisor: JLF

Nights Operator: MIKE Supervisor:

Item	Check	Days	Nights	Comments
Emergency radio set on SCAN mode	Record status. Should be set on SCAN mode to monitor the Emergency Channel	ok	ok	
Emergency radio volume	Record status. Volume should be turned "on"	ok	ok	
Confirm that the radios of the Shift Leader and Tank Farm Area Leader are in the SCAN mode.	Record status. Should be set on SCAN mode to monitor the Emergency Channel.	ok	ok	
Control Room pressure	Record pressure. Should be > 0.1"	.035	.035	
Air moisture analyser	Record moisture content. Should be < -90, i.e. -95, -100, etc	-77	-64	
Steam pressure	Record pressure. Should be > 105 psig. & stable	119	120	
Battery backup for temp. Indicator	Record voltage. Should be 24-30 volts	25	25.4	
General Monitors-#2 Plant	Record status. No alarms/no malfunctions	ok	ok	
Instrument air pressure	Record pressure. Should be > 90 psig. & stable	100	87	
River water pressure	Record pressure. Should be > 65 psig. & stable	75	81	
Busch Glycol Storage level	Record level. Should be > 50%	63	63	
Busch Glycol Storage Temp.	Record temp. Should be > 140 °F	155	155	
TK526 Temp (Mercaptan)	Record temp. Should be 50-150°F.	73	73	
EO Transfer Pump	Using P-101B2? (Yes/No) If no report to coordinator	YES	YES	
PO Transfer Pump	Using P-101C2? (Yes/No) If no report to coordinator	YES	YES	
Battery backup	Ready light on? (Yes/No)	ok	ok	
Survive Air packs (Control Room)	Two cleaned and available? (Yes/No)	YES	N/A	
Eyewash pressure	Record pressure. Should be > 60 psig.	65	68	
TMP recycle	Flowing? (Yes/No)	YES	Y	
No 7 jet decanter waste (Satellite)	Drained and spill free? (Yes/No)	No/YES	N/Y	
[redacted]	Labeled as Jet Decanter Waste? (Yes/No)	YES	Y	
[redacted]	Full & Dated? (Yes/No)	N/A	—	
[redacted]	Grounded? (Yes/No)	YES	Y	
Sulfuric Acid Dike	Is the Dike Empty? (Yes/No)	NO	NO	
[redacted]	If Not, Did You Empty? (Yes/No)	NO	NO	
[redacted]	What Time was Dike Emptied?	N/A	—	

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File Name: WYP0213 DAILY OPERATIONS INSPECTION SHEET(45.25): Owner Name: Brvan Jeff

HAZARDOUS WASTE < 90 DAY ACCUMULATIONS STORAGE AREA - INSPECTION/TRANSFER LOG
RETURN COMPLETED LOG TO SUPERVISOR TO BE FILED IN THE POLYOL DOCUMENT CENTER

UNCONTROLLED COPY
Printed: Fri May 07 11:09:27 EDT 2010; Expires: Sat May 08 11:09:27 EDT 2010
File Name: WYP0222 HAZARDOUS WASTE SATELLITE STORAGE LOG(10 0); Owner Name: Bryan, Jeff

BASF Corporation	Title:	Hazardous Waste Satellite Storage Log		
Wya Polyol Plant	No.:	WYP0222	Page:	1 of 4

WASTE SATELLITE STORAGE AREA - INSPECTION/TRANSFER LOG
RETURN COMPLETED LOG TO SUPERVISOR TO BE FILED IN THE POLYOL DOCUMENT CENTER
SITE WASTE WARHOUSE HOURS MONDAY/WEDNESDAY 1-2PM, FRIDAY 10-11 AM

DATE: 5/7/10 TIME: 1000 INSPECTED BY (PRINT FULL NAME): Jason Wilson

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2	#7 Jet Decanter Waste (W-035)	Y	Y	Y	Y	1/2	N	Y	N	Ø
1	Neutralized MDI Waste (W-067)	Y	Y	Y	Y	1/2	N	Y	N	Ø
11	Monomer Waste (W-010)	Y	Y	Y	Y	1/3	Y	Y	N	1
12	Neutralized TDI Waste (W-068)	Y	Y	Y	Y	1/3	Y	Y	N	Ø
13	Sugar/Pent/Polyol (A-645)	Y	Y	Y	Y	1/3	N	Y	N	Ø
14		-1								
15	Waste Toluene Filters (#3BB for carbon beds) (W-799)	Y	Y	Y	Y	1/3	N	Y	N	Ø
	Used Oil (A-603-08) Flammable Shed Maintence Pad	Y	Y	Y	Y	1/2	Y	Y	N	Ø
	Polyol QA Waste (W-760) (Will be inside of retain room)	Y	Y	Y	Y	1/2	N	Y	N	Ø
	Crushed Glass (A-616) (Will be inside of retain room)	Y	Y	Y	Y	1/2	N	Y	N	Ø
	Waste Aerosols (W-904) In Maintence Shop	Y	Y	Y	Y	1/2	N	Y	N	Ø

WASTE TRANSFERS / COMMENTS (PLEASE LOG ALL TRANSFERS WITH INDIVIDUAL CONTAINER WEIGHTS IN POUNDS

UNCONTROLLED COPY
Printed: Fri May 07 11:09:27 EDT 2010; Expires: Sat May 08 11:09:27 EDT 2010
File Name: WYP0222 HAZARDOUS WASTE SATELLITE STORAGE LOG(10 0); Owner Name: Bryan, Jeff

HAZARDOUS WASTE < 90 DAY ACCUMULATIONS STORAGE AREA - INSPECTION/TRANSFER LOG
RETURN COMPLETED LOG TO SUPERVISOR TO BE FILED IN THE POLYOL DOCUMENT CENTER

UNCONTROLLED COPY
Printed: Mon Mar 29 12:03:17 EDT 2010; Expires: Tue Mar 30 12:03:17 EDT 2010
File Name: WYP0222 HAZARDOUS WASTE SATELLITE STORAGE LOG(10.0); Owner Name: Bryan, Jeff

BASF Corporation	Title:	Hazardous Waste Satellite Storage Log		
Wya Polyol Plant	No.:	WYP0222	Page:	1 of 4

WASTE SATELLITE STORAGE AREA - INSPECTION/TRANSFER LOG

RETURN COMPLETED LOG TO SUPERVISOR TO BE FILED IN THE POLYOL DOCUMENT CENTER

SITE WASTE WARHOUSE HOURS MONDAY/WEDNESDAY 1-2PM, FRIDAY 10-11 AM

DATE: 3-29-10 TIME: 1230 INSPECTED BY (PRINT FULL NAME): JERRY FIGURSKI

2	#7 Jet Decanter Waste (W-035)	OK	OK	OK	OK	3/4	YES	YES	N/A	N/A
1	Neutralized MDI Waste (W-067)	OK	OK	OK	OK	PART	YES	YES	N/A	N/A
11	Monomer Waste (W-010)	OK	OK	OK	OK	PART	YES	YES	N/A	N/A
12	Neutralized TDI Waste (W-068)	OK	OK	OK	OK	PART	YES	YES	N/A	N/A
13	Sugar/Pent/Polyol (A-645)	OK	OK	OK	OK	PART	YES	YES	N/A	N/A
14										
15	Waste Toluene Filters (#3BB for carbon beds) (W-799)	OK	OK	OK	OK	PART	YES	YES	N/A	N/A
	Used Oil (A-603-08) Flammable Shed Maintence Pad	OK	OK	OK	OK	PART	YES	YES	N/A	N/A
	Polyol QA Waste (W-760) (Will be inside of retain room)	OK	OK	OK	OK	PART	YES	YES	N/A	N/A
	Crushed Glass (A-616) (Will be inside of retain room)	OK	OK	OK	OK	PART	YES	YES	N/A	N/A
	Waste Aerosols (W-904) In Maintence Shop	OK	OK	OK	OK	PART	YES	YES	N/A	N/A

WASTE TRANSFERS / COMMENTS (PLEASE LOG ALL TRANSFERS WITH INDIVIDUAL CONTAINER WEIGHTS IN POUNDS

UNCONTROLLED COPY
Printed: Mon Mar 29 12:03.17 EDT 2010; Expires: Tue Mar 30 12:03.17 EDT 2010
File Name: WYP0222 HAZARDOUS WASTE SATELLITE STORAGE LOG(10.0), Owner Name: Bryan, Jeff

BASF Corporation	Title:	Hazardous Waste Satellite Storage Log		
Wya Polyol Plant	No.:	WYP0222	Page:	3 of 4

HAZARDOUS WASTE < 90 DAY ACCUMULATIONS STORAGE AREA - INSPECTION/TRANSFER LOG
RETURN COMPLETED LOG TO SUPERVISOR TO BE FILED IN THE POLYOL DOCUMENT CENTER
SITE WASTE WARHOUSE HOURS MONDAY/WEDNESDAY 1-2PM, FRIDAY 10-11 AM

DATE: 4-26-10 TIME: 1350 INSPECTED BY (PRINT FULL NAME): JERRY FIGUASKI

		RECORD THE DATE OFF THE LABEL, IS IT <45 DAYS OLD?							
4	Monomer Waste (W-010)	Date: 4-24	OK	OK	PART	Y	OK	N/A	
5	Monomer Waste (W-010)	Date: 3-18	OK	OK	PART	Y	OK	N/A	
6	Monomer Waste (W-010)	Date: 4-22	OK	OK	PART	Y	OK	N/A	
7	Monomer Waste (W-010)	Date: 4-21	OK	OK	PART	Y	OK	N/A	
8	Monomer Waste (W-010)	Date: 4-17	OK	OK	PART	Y	OK	N/A	
9	Monomer Waste (W-010)	Date: 4-22	OK	OK	PART	Y	OK	N/A	

WASTE TRANSFERS / COMMENTS (PLEASE LOG ALL TRANSFERS WITH INDIVIDUAL CONTAINER WEIGHTS IN POUNDS)

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Printed: Mon Apr 26 13:25:20 EDT 2010; Expires: Tue Apr 27 13:25:20 EDT 2010
File Name: WYP0222 HAZARDOUS WASTE SATELLITE STORAGE LOG(10.0); Owner Name: Bryan, Jeff

BASF Corporation	Title:	Hazardous Waste Satellite Storage Log		
Wya Polyol Plant	No.:	WYP0222	Page:	3 of 4

HAZARDOUS WASTE < 90 DAY ACCUMULATIONS STORAGE AREA - INSPECTION/TRANSFER LOG
RETURN COMPLETED LOG TO SUPERVISOR TO BE FILED IN THE POLYOL DOCUMENT CENTER
SITE WASTE WARHOUSE HOURS MONDAY/WEDNESDAY 1-2PM, FRIDAY 10-11 AM

DATE: 4-26-10 TIME: 1400 INSPECTED BY (PRINT FULL NAME): JERRY FIGURSKI

		START DATE ON LABEL IS <11 MONTHS								
1	Waste Batteries (U-800) Supervisor's Office (Dispose of >11 months)	OK	OK	OK	OK	OK	PART	OK	N/A	N/A
2	Waste Batteries (U-800) Maintenance Shop (Dispose of >11 months)	OK	OK	OK	OK	OK	PART	OK	N/A	N/A

WASTE TRANSFERS / COMMENTS (PLEASE LOG ALL TRANSFERS WITH INDIVIDUAL CONTAINER WEIGHTS IN POUNDS)

UNCONTROLLED COPY
Printed: Mon Apr 26 13:25:20 EDT 2010; Expires: Tue Apr 27 13:25:20 EDT 2010
File Name: WYP0222 HAZARDOUS WASTE SATELLITE STORAGE LOG(10.0); Owner Name: Bryan, Jeff

HAZARDOUS WASTE < 90 DAY ACCUMULATIONS STORAGE AREA - INSPECTION/TRANSFER LOG
RETURN COMPLETED LOG TO SUPERVISOR TO BE FILED IN THE POLYOL DOCUMENT CENTER

UNCONTROLLED COPY
Printed: Mon Apr 28 13:25:20 EDT 2010; Expires: Tue Apr 27 13:25:20 EDT 2010
File Name: WYP0222 HAZARDOUS WASTE SATELLITE STORAGE LOG(10.0); Owner Name: Bryan, Jeff

BASF Corporation	Title:	Hazardous Waste Satellite Storage Log		
Wya Polyol Plant	No.:	WYP0222	Page:	1 of 4

WASTE SATELLITE STORAGE AREA - INSPECTION/TRANSFER LOG
RETURN COMPLETED LOG TO SUPERVISOR TO BE FILED IN THE POLYOL DOCUMENT CENTER
SITE WASTE WARHOUSE HOURS MONDAY/WEDNESDAY 1-2PM, FRIDAY 10-11 AM

DATE: 4-26-10 TIME: 1400 INSPECTED BY (PRINT FULL NAME): JERRY FIGURSKI

2	#7 Jet Decanter Waste (W-035)	OK	OK	OK	OK	MT	Y	OK	N/A	N/A
1	Neutralized MDI Waste (W-067)	OK	OK	OK	OK	PART	N	OK	N/A	N/A
11	Monomer Waste (W-010)	OK	OK	OK	OK	PART	Y	OK	N/A	N/A
12	Neutralized TDI Waste (W-068)	OK	OK	OK	OK	PART	NO	OK	N/A	N/A
13	Sugar/Pent/Polyol (A-645)	OK	OK	OK	OK	PART	NO	OK	N/A	N/A
14										
15	Waste Toluene Filters (#3BB for carbon beds) (W-799)	OK	OK	OK	OK	PART	NO	OK	N/A	N/A
	Used Oil (A-603-08) Flammable Shed Maintence Pad	OK	OK	OK	OK	PART	NO	OK	N/A	N/A
	Polyol QA Waste (W-760) (Will be inside of retain room)	OK	OK	OK	OK	PART	NO	OK	N/A	N/A
	Crushed Glass (A-616) (Will be inside of retain room)	OK	OK	OK	OK	PART	NO	OK	N/A	N/A
	Waste Aerosols (W-904) In Maintence Shop	OK	OK	OK	OK	PART	NO	OK	N/A	N/A

WASTE TRANSFERS / COMMENTS (PLEASE LOG ALL TRANSFERS WITH INDIVIDUAL CONTAINER WEIGHTS IN POUNDS

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File Name: WYP0222 HAZARDOUS WASTE SATELLITE STORAGE LOG(10.0); Owner Name: Bryan, Jeff

BASF Corporation	Title:	Daily Operations Inspection Checklist	
Wya Polyol Plant	No.:	WYP0213	Page 8 of 8

NOTE: MANY ITEMS ON THIS CHECKLIST ARE LEGAL REQUIREMENTS. IT IS MANDATORY THAT THIS CHECKLIST IS FILLED OUT COMPLETELY, AND RETURNED TO THE OPERATIONS SUPERVISOR FOR FILING. RECORDS ARE KEPT FOR 5 YEARS.

Date: 4/9/10 Days Operator: _____ Supervisor: _____

Nights Operator: DE Supervisor: LO

	Item	Check	Days A	Nights B	C	D	E	F Comments
19	Outlet Temp. on Busch Pumps (Check on Midnights) *SEE NOTE*	Record temp. Should be 100-160°F	170	170	180	175	180	Gave
20	Busch pump A in Busch room	Any indication of liquid dripping from seal? (Yes/No)		NO				
21	Busch pump B in Busch room	Any indication of liquid dripping from seal? (Yes/No)		NO				
22	Busch pump C in Busch room	Any indication of liquid dripping from seal? (Yes/No)		NO				
23	Busch pump F in Busch room	Any indication of liquid dripping from seal? (Yes/No)		NO				
24	Busch pump E in Busch room	Any indication of liquid dripping from seal? (Yes/No)		NO				
25	Busch pump D in Busch room	Any indication of liquid dripping from seal? (Yes/No)		NO				
26	P-510A monomer mix tank pump	Any indication of liquid dripping from seal? (Yes/No)		NO				
27	P-510 mixed monomer tank pump	Any indication of liquid dripping from seal? (Yes/No)		NO				
28	P-525	Any indication of liquid dripping from seal? (Yes/No)		NO				
29	P-529	Any indication of liquid dripping from seal? (Yes/No)		NO				
30	P-528 CGR Pump	Any indication of liquid dripping from seal? (Yes/No)		NO				
31	P-413C recycled monomer pump	Any indication of liquid dripping from seal? (Yes/No)		NO				
32	Recycle TK413C for ½ hour each shift in automatic unless producing P-1528 and or P-1365.	Verify flow and temp of pump. Ok? (Yes/No)	13655	13655				

***If #10RX and PCGR are down leave one busch pump running and shut down the remaining pumps. Rotate that pump to a different pump every four hours.**

REVISIONS

1. Update title and number of document. Deniz Hinz 6/18/08
2. Add Monomer pumps to the inspection sheet for graft Joel Young 6/18/09
3. Added language for consistency, eliminated blanks, removed references to #7/#8/#10 Operator, general cleanup to 8 pages from 11 DHE 10/23/09

BASF Corporation	Title:	Daily Operations Inspection Checklist	
Wya Polyol Plant	No.:	WYP0213	Page 7 of 8

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Date: 4-19-20 Days Operator: _____ Supervisor: _____

Nights Operator: DE Supervisor: LO

Item		Check	Days	Nights	Comments
[redacted]		Results Legible and Clear? (Yes/No)		yes	
[redacted]		If Problem, was Maintenance Notified? (Yes/No)		no	
Small Britesorb dump box.		Empty? (Yes/No)		yes	
[redacted]		Free of leaks or evidence of leaking? (Yes/No)		yes	
[redacted]		If box is under funda, Is the lid down? (Yes/No)		no	
[redacted]		Area is clean and clear of ANY spilled material? (Yes/No)		yes	
[redacted]		Filter cake Under No.8 & 9 Funda & No. 8 Sparkler? (Yes/No)		no	
All 5 gallon pails in process area correctly labeled		(Yes/No) (If NO, please label)	N/A	yes	
#9 Initiator base charging tote		Level of tote/ Emptied (Yes/No)		1/2 Ino	
No. 9 Init. jet decanter		Drained? (Yes/No)		yes	
No. 9 Rx jet decanter		Drained and Purged EACH Shift? (Yes/No)		yes	
No. 9 Init. Agitator Seal		Record Level in sight glass. Should be visible.		1/3	
1	Eyewash Busch building	Proper flow & temperature & alarm? (Yes/No)		N/A	
2	Busch rupture disc pres.	Should be 0 psig. Enter MJ if disc has failed.		N/A	
3	#10 Rx rupture disc pres.	Should be 0 psig. Enter MJ if disc has failed.		N/A	
4	#10 Rx Agitator Seal Pres.	Record pressure. Should be 15 psig		18	
5	#10 Rx Agitator Seal Level	Should be visible (Yes/No)		7/8	
6	Eyewash - Deck by VB tank	Proper flow? (Yes/No)		ok	
7	9 hold agitator	Seal level (1/4,1/2, Full)		—	
8	Eyewash by sulfuric acid tank	Proper, flow, temperature & alarm (Yes/No)		ok	
9	Eyewash by #9 Init. Charging	Proper flow & temperature & alarm (Yes/No)		ok	
10	#9 Trench valve	Should be CLOSED (Yes/No)		open	9 Rx washing
11	#10 Trench valve	Should be CLOSED (Yes/No)		closed	
12	No 9 Hold Tank pump seal pot pressure	Record pressure. Should be between 200-230 psig		225	
13	9 Hold pump	Record Seal pot level (1/2,1/4,etc.)		7/8	
14	9 Flash pump	Record Seal pot level (1/2,1/4,etc.)		1/2	
15	No 9 flash tank pump seal pot pressure	Record pressure. Should be between 200-230 psig		195	
16	Eyewash by graft pumpout header	Proper flow & temperature & alarm? (Yes/No)		ok	
17	Eyewash by truck load	Proper flow & temperature & alarm? (Yes/No)		ok	
18	Eyewash by Tk-526	Proper flow & temperature & alarm? (Yes/No)		ok	

BASF Corporation	Title:	Daily Operations Inspection Checklist	
Wya Polyol Plant	No.:	WYP0213	Page 6 of 8

NOTE: MANY ITEMS ON THIS CHECKLIST ARE LEGAL REQUIREMENTS. IT IS MANDATORY THAT THIS CHECKLIST IS FILLED OUT COMPLETELY, AND RETURNED TO THE OPERATIONS SUPERVISOR FOR FILING. RECORDS ARE KEPT FOR 5 YEARS.

Date: 4/19/10 Days Operator: _____ Supervisor: _____

Nights Operator: DE Supervisor: LO

Item	Check	Days	Nights	Comments
Dust collector bag level (%)	Record level. Should be < 75% (empty as needed)	N/A	OK	
Busch Pump Oil tank	Dike free of spills? No evidence of any leaks? (Yes/No)		YES	
No. 2 Plant Warehouse Product and Raw material Drums and Bags in.	Warehouse is free of leaking drums and spilled / torn bags? (Yes/No)		Yes	
#8 Reactor jet decanter level	Report Level Drained (Yes/No)		AT LVD	
Vazo Room- Floor is clear of pallets and plastic or other debris.	(Yes/No) If NO (Please clean up)		YES	
All 5-gal pails in process area correctly labeled	(Yes/No) (If NO, please label)	N/A	YES	
Britesorb Roll Off boxes	Cover closed? (Yes/No)		No	
	Sufficient water level in box? (Yes/No)		YES	
	Area spill free? (Yes/No)		YES	
	Box needs emptying? (Yes/No)		NO	
	If < 2 boxes need emptying, report to foreman. (Save waste $$)		N/A	
	Labeled with dated non-hazardous waste label? (Yes/No)		YES	
	PH value? (Monday and Thursday only)	N/A	N/A	
	Free of leaks or evidence of leaking? (Yes/No)		YES	
#7 and #8 base charging drain tote	Level of tote/ Emptied? (Yes/No)		Y4 - NO	
No. 8 Rx. Rupture disc pressure	Record pressure. Should be 0 psig.		0	
No. 8 Rx seal oil	Record level in sight glass. Should be visible		Y2	
No. 8 Rx seal nitrogen	Record pressure. Should be > 100 psig.		110	
No. 8 Init. seal oil	Record level in sight glass. Should be visible		Y3	
No. 8 Init. seal nitrogen	Record pressure. Should be > 110 psig.		118	
Water flow to:(Flow indicated in sight glass)	No. 8 Init. Seals. Visible flow? (Yes/No)		YES	
	No. 8 Rect. Seals (outlet pipe west side rx)Flow visible? (Yes/No)		YES	
	No. 8 Gyrol cooler. Flow visible? (Yes/No)		YES	
Thermal Ox. – Air Monitoring Yokagawa Strip Chart in Control Rm.	Does it have paper? (Yes/No)		YES	
	Record status. Power on? (Yes/No)		YES	
	Is Paper Jammed? (Yes/No)		NO	
	Is Start Button Green? (Yes/No)		YES	

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NOTE: MANY ITEMS ON THIS CHECKLIST ARE LEGAL REQUIREMENTS. IT IS MANDATORY THAT THIS CHECKLIST IS FILLED OUT COMPLETELY, AND RETURNED TO THE OPERATIONS SUPERVISOR FOR FILING. RECORDS ARE KEPT FOR 5 YEARS.

Date: 4-19-10 Days Operator: _____ Supervisor: _____

Nights Operator: JE Supervisor: LG

Item	Check	Days	Nights	Comments
	Free of dents, dings, bulging, creasing, etc? (Yes/No)		yes	
	Grounded? (Yes/No)		yes	
Hazardous Waste **Accumulation Area #9**	Drum Level (1/4, 1/2, etc)		1/3	
	Drained? (Yes/No)		yes	
	Area spill free? (Yes/No)		yes	
	Labeled as monomer waste? (Yes/No)		yes	
	Record the date on the label of drum:	Date	Date 4-17	
	Is the date on the label <45 days: (Yes/No)		yes	
	Does Drum need to be changed out? (Yes/No)		no	
	Free of leaks or evidence of leaking? (Yes/No)		yes	
	Free of dents, dings, bulging, creasing, etc? (Yes/No)		yes	
	Grounded? (Yes/No)		yes	
Hazardous Waste **Accumulation Area #4**	Drum Level (1/4, 1/2, etc)		1/4	
	Drained? (Yes/No)		yes	
	Area spill free? (Yes/No)		yes	
	Labeled as monomer waste? (Yes/No)		yes	
	Record the date on the label of drum:	Date	Date 4-19-10	
	Is the date on the label <45 days? (Yes/No)		yes	
	Does Drum need to be changed out? (Yes/No)		No changed	
	Free of leaks or evidence of leaking? (Yes/No)		yes	
	Free of dents, dings, bulging, creasing, etc? (Yes/No)		yes	
	Grounded? (Yes/No)		yes	
Hazardous Waste **Accumulation Area #5**	Drum Level (1/4, 1/2, etc)		1/3	
	Drained? (Yes/No)		yes	
	Area spill free? (Yes/No)		yes	
	Labeled as monomer waste? (Yes/No)		yes	
	Record the date on the label of drum:	Date	Date 4-17-10	
	Is the date on the label <45 days? (Yes/No)		yes	
	Does Drum need to be changed out? (Yes/No)		no	
	Free of leaks or evidence of leaking? (Yes/No)		yes	

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Date: 4-19-10 Days Operator: _____ Supervisor: _____

Nights Operator: RK Supervisor: LO

Item	Check	Days	Nights	Comments
P-150A west of D-150B in jet room	Any indication of liquids dripping from seal? (Yes/No)		NO	
VP-530D vacuum pump near S-530DB in jet room	Any indication of liquids dripping from seal? (Yes/No)		NO	
P-530DB south of S-530DB in jet room	Any indication of liquids dripping from seal? (Yes/No)		NO	
VP-405D vacuum pump near S-405D in jet room	Any indication of liquids dripping from seal? (Yes/No)		NO	
P-405D south of S-405D in jet room	Any indication of liquids dripping from seal? (Yes/No)		NO	
P-151 west of TK-151 9Reactor vacuum condensate collection tank at ground level	Any indication of liquids dripping from seal? (Yes/No)		NO	
P-153B west of TK-403D scrubber recirculation tank	Any indication of liquids dripping from seal? (Yes/No)		NO	
P-153A west of TK-403D scrubber recirculation tank	Any indication of liquids dripping from seal? (Yes/No)		NO	
Hazardous Waste **Accumulation Area #7**	Drum Level (1/4, 1/2, etc)		1/3	
	Drained? (Yes/No)		YES	
	Area spill free? (Yes/No)		YES	
	Labeled as monomer waste? (Yes/No)		YES	
	Record the date on the label of drum:	Date	Date 3-18	
	Is the date on the label <45 days? (Yes/No)		YES	
	Does Drum need to be changed out? (Yes/No)		NO	
	Free of leaks or evidence of leaking? (Yes/No)		YES	
	Free of dents, dings, bulging, creasing, etc? (Yes/No)		YES	
	Grounded? (Yes/No)		YES	
Hazardous Waste **Accumulation Area #8**	Drum Level (1/4, 1/2, etc)		1/3	
	Drained? (Yes/No)		YES	
	Area spill free? (Yes/No)		YES	
	Labeled as monomer waste? (Yes/No)		YES	
	Record the date on the label of drum:	Date	Date 4-17-10	
	Is the date on the label <45 days? (Yes/No)		YES	
	Does Drum need to be changed out? (Yes/No)		NO	
	Free of leaks or evidence of leaking? (Yes/No)		YES	

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Date: 4-19-10 Days Operator: _____ Supervisor: _____

Nights Operator: PR Supervisor: LC

Item	Check	Days	Nights	Comments
[redacted]	If Yes, What is the pH?		N/A	
[redacted]	If Yes, What is the Color?		N/A	
[redacted]	# of Phases in Standing Water Sample? (1/2/NA)		N/A	
Eyewash pad by No. 7 RX	Proper flow, temperature & alarm? (Yes/No)		N/A	
#7 & #8 Trench valve	CLOSED? (Yes/No)		open	
Dust/Vapor collector drain drum by #7 RX. Emptied? (Yes/No)	Drum level (1/4, ½. Etc.)	N/A	1/3 / NO	
All 5-gallon pails in process area correctly labeled?	Yes or No? (If NO, please label)	N/A	YES	
Hazardous Waste **Accumulation Area #6**	Drum Level (1/4, 1/2, etc)		1/2	
[redacted]	Drained? (Yes/No)		YES	
[redacted]	Area spill free? (Yes/No)		YES	
[redacted]	Labeled as monomer waste? (Yes/No)		YES	
[redacted]	Record the date on the label of drum:	Date	Date 4-19	
[redacted]	Is the date on the label <45 days: (Yes/No)		YES	
[redacted]	Does Drum need to be changed out? (Yes/No)		NO	
[redacted]	Free of leaks or evidence of leaking? (Yes/No)		YES	
[redacted]	Free of dents, dings, bulging, creasing, etc? (Yes/No)		YES	
[redacted]	Grounded? (Yes/No)		YES	
A-405B 7Reactor	Any indication of liquids dripping from seal? (Yes/No)		NO	
A-405C 8Reactor	Any indication of liquids dripping from seal? (Yes/No)		NO	
A-408C 8Initiator	Any indication of liquids dripping from seal? (Yes/No)		NO	
A-530 9Initiator	Any indication of liquids dripping from seal? (Yes/No)		NO	
A-405D 9Reactor	Any indication of liquids dripping from seal? (Yes/No)		NO	
VP-151 vacuum pump near D-151B in jet room	Any indication of liquids dripping from seal? (Yes/No)		NO	
P-151A north of D-151B in jet room	Any indication of liquids dripping from seal? (Yes/No)		NO	
P-405 bottom of TK-405D 9Reactor east of knock-out pot	Any indication of liquids dripping from seal? (Yes/No)		NO	
VP-150 vacuum pump near D-150B in jet room	Any indication of liquids dripping from seal? (Yes/No)		NO	

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Date: 4/19/16 Days Operator: _____ Supervisor: _____

Nights Operator: DE Supervisor: LO

Item	Check	Days	Nights	Comments
Emergency radio set on SCAN mode	Record status. Should be set on SCAN mode to monitor the Emergency Channel		ok	
Emergency radio volume	Record status. Volume should be turned "on"		ok	
Confirm that the radios of the Shift Leader and Tank Farm Area Leader are in the SCAN mode.	Record status. Should be set on SCAN mode to monitor the Emergency Channel.		ok	
Control Room pressure	Record pressure. Should be > 0.1"		.04	
Air moisture analyser	Record moisture content. Should be < -90, i.e. -95, -100, etc		-72	
Steam pressure	Record pressure. Should be > 105 psig. & stable		118	
Battery backup for temp. Indicator	Record voltage. Should be 24-30 volts		25.2	
General Monitors-#2 Plant	Record status. No alarms/no malfunctions		None	
Instrument air pressure	Record pressure. Should be > 90 psig. & stable		112	
River water pressure	Record pressure. Should be > 65 psig. & stable		78	
Busch Glycol Storage level	Record level. Should be > 50%		63 %	
Busch Glycol Storage Temp	Record temp. Should be > 140 °F		155°	
TK526 Temp (Mercaptan)	Record temp. Should be 50-150°F.		96°	
EO Transfer Pump	Using P-101B2? (Yes/No) If no report to coordinator		yes	
PO Transfer Pump	Using P-101C2? (Yes/No) If no report to coordinator		yes	
Battery backup	Ready light on? (Yes/No)		on	
Survive Air packs (Control Room)	Two cleaned and available? (Yes/No)		N/A	
Eyewash pressure	Record pressure. Should be > 60 psig.		67	
TMP recycle	Flowing? (Yes/No)		yes	
No 7 jet decanter waste **(Satellite)**	Drained and spill free? (Yes/No)		No / yes	
	Labeled as Jet Decanter Waste? (Yes/No)		yes	
	Full & Dated? (Yes/No)		no	
	Grounded? (Yes/No)		yes	
Sulfuric Acid Dike	Is the Dike Empty? (Yes/No)		no	
	If Not, Did You Empty? (Yes/No)		no	
	What Time was Dike Emptied?		NA	

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Date: 04/12/10 **Days Operator:** CAC **Supervisor:** JLF

Nights Operator:_____ **Supervisor:**_____

	Item	Check	Days A	Nights B	C	D	E	F	Comments
19	Outlet Temp. on Busch Pumps (Check on Midnights) *SEE NOTE*	Record temp. Should be 100-160°F							
20	Busch pump A in Busch room	Any indication of liquid dripping from seal? (Yes/No)	No						
21	Busch pump B in Busch room	Any indication of liquid dripping from seal? (Yes/No)	No						
22	Busch pump C in Busch room	Any indication of liquid dripping from seal? (Yes/No)	No						
23	Busch pump F in Busch room	Any indication of liquid dripping from seal? (Yes/No)	No						
24	Busch pump E in Busch room	Any indication of liquid dripping from seal? (Yes/No)	No						
25	Busch pump D in Busch room	Any indication of liquid dripping from seal? (Yes/No)	No						
26	P-510A monomer mix tank pump	Any indication of liquid dripping from seal? (Yes/No)	No						
27	P-510 mixed monomer tank pump	Any indication of liquid dripping from seal? (Yes/No)	No						
28	P-525	Any indication of liquid dripping from seal? (Yes/No)	No						
29	P-529	Any indication of liquid dripping from seal? (Yes/No)	No						
30	P-528 CGR Pump	Any indication of liquid dripping from seal? (Yes/No)	No						
31	P-413C recycled monomer pump	Any indication of liquid dripping from seal? (Yes/No)	No						
32	Recycle TK413C for ½ hour each shift in automatic unless producing P-1528 and or P-1365.	Verify flow and temp of pump. Ok? (Yes/No)	Yes						

***If #10RX and PCGR are down leave one busch pump running and shut down the remaining pumps. Rotate that pump to a different pump every four hours.**

REVISIONS

1. Update title and number of document. Deniz Hinz 6/18/08
2. Add Monomer pumps to the inspection sheet for graft Joel Young 6/18/09
3. Added language for consistency, eliminated blanks, removed references to #7/#8/#10 Operator, general cleanup to 8 pages from 11 DHE 10/23/09

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Date: 04/12/10 Days Operator: CAC Supervisor: JLF

Nights Operator: _____ Supervisor: _____

	Item	Check	Days	Nights	Comments
	[redacted]	Results Legible and Clear? (Yes/No)	Yes		
	[redacted]	If Problem, was Maintenance Notified? (Yes/No)	N/A		
	Small Britesorb dump box.	Empty? (Yes/No)	Yes		
	[redacted]	Free of leaks or evidence of leaking? (Yes/No)	Yes		
	[redacted]	If box is under funda, Is the lid down? (Yes/No)	N/A		
	[redacted]	Area is clean and clear of ANY spilled material? (Yes/No)	Yes		
	[redacted]	Filter cake Under No.8 & 9 Funda & No. 8 Sparkler? (Yes/No)	ok		
	All 5 gallon pails in process area correctly labeled	(Yes/No) (If NO, please label)	N/A		
	#9 Initiator base charging tote	Level of tote/ Emptied (Yes/No)	1/2 / No		
	No. 9 Init. jet decanter	Drained? (Yes/No)	No		
	No. 9 Rx jet decanter	Drained and Purged EACH Shift? (Yes/No)	No		
	No. 9 Init. Agitator Seal	Record Level in sight glass. Should be visible.	1/3		
1	Eyewash Busch building	Proper flow & temperature & alarm? (Yes/No)		N/A	
2	Busch rupture disc pres.	Should be 0 psig. Enter MJ if disc has failed.	0	N/A	
3	#10 Rx rupture disc pres.	Should be 0 psig. Enter MJ if disc has failed.	0	N/A	
4	#10 Rx Agitator Seal Pres.	Record pressure. Should be 15 psig	15		
5	#10 Rx Agitator Seal Level	Should be visible (Yes/No)	7/8		
6	Eyewash - Deck by VB tank	Proper flow? (Yes/No)			
7	9 hold agitator	Seal level (1/4,1/2, Full)	—		
8	Eyewash by sulfuric acid tank	Proper, flow, temperature & alarm (Yes/No)			
9	Eyewash by #9 Init. Charging	Proper flow & temperature & alarm (Yes/No)			
10	#9 Trench valve	Should be CLOSED (Yes/No)	Closed		
11	#10 Trench valve	Should be CLOSED (Yes/No)	Closed		
12	No 9 Hold Tank pump seal pot pressure	Record pressure. Should be between 200-230 psig	235		
13	9 Hold pump	Record Seal pot level (1/2,1/4,etc.)	7/8		
14	9 Flash pump	Record Seal pot level (1/2,1/4,etc.)	1/3		
15	No 9 flash tank pump seal pot pressure	Record pressure. Should be between 200-230 psig	200		
16	Eyewash by graft pumpout header	Proper flow & temperature & alarm? (Yes/No)	—		
17	Eyewash by truck load	Proper flow & temperature & alarm? (Yes/No)	—		
18	Eyewash by Tk-526	Proper flow & temperature & alarm? (Yes/No)	—		

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Date: 04/12/10 **Days Operator:** PAC **Supervisor:** JLF

Nights Operator:_____ **Supervisor:**_____

Item	Check	Days	Nights	Comments
Dust collector bag level (%)	Record level. Should be < 75% (empty as needed)	N/A		
Busch Pump Oil tank	Dike free of spills? No evidence of any leaks? (Yes/No)	OK		
No. 2 Plant Warehouse Product and Raw material Drums and Bags in.	Warehouse is free of leaking drums and spilled / torn bags? (Yes/No)	OK		
#8 Reactor jet decanter level	Report Level Drained (Yes/No)	mT / NO		
Vazo Room- Floor is clear of pallets and plastic or other debris.	(Yes/No) If NO (Please clean up)	OK		
All 5-gal pails in process area correctly labeled	(Yes/No) (If NO, please label)	N/A		
Britesorb Roll Off boxes	Cover closed? (Yes/No)	NO		
[redacted]	Sufficient water level in box? (Yes/No)	yes		
[redacted]	Area spill free? (Yes/No)	yes		
[redacted]	Box needs emptying? (Yes/No)	NO		
[redacted]	If < 2 boxes need emptying, report to foreman. (Save waste $$)	N/A		
[redacted]	Labeled with dated non-hazardous waste label? (Yes/No)	yes		
[redacted]	PH value? (Monday and Thursday only)	N/A		
[redacted]	Free of leaks or evidence of leaking? (Yes/No)	yes		
#7 and #8 base charging drain tote	Level of tote/ Emptied? (Yes/No)	7/8 NO		
No. 8 Rx. Rupture disc pressure	Record pressure. Should be 0 psig.	0		
No. 8 Rx seal oil	Record level in sight glass. Should be visible	1/2		
No. 8 Rx seal nitrogen	Record pressure. Should be > 100 psig.	100		
No. 8 Init. seal oil	Record level in sight glass. Should be visible	1/3		
No. 8 Init. seal nitrogen	Record pressure. Should be > 110 psig.	118		
Water flow to:(Flow indicated in sight glass)	No. 8 Init. Seals. Visible flow? (Yes/No)	yes		
[redacted]	No. 8 Rect. Seals (outlet pipe west side rx)Flow visible? (Yes/No)	yes		
[redacted]	No. 8 Gyrol cooler. Flow visible? (Yes/No)	yes		
[redacted]				
Thermal Ox. – Air Monitoring Yokagawa Strip Chart in Control Rm.	Does it have paper? (Yes/No)	yes		
[redacted]	Record status. Power on? (Yes/No)	on		
[redacted]	Is Paper Jammed? (Yes/No)	NO		
[redacted]	Is Start Button Green? (Yes/No)	yes		

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Date: 04/12/10 Days Operator: PAC Supervisor: JLF

Nights Operator: _____ Supervisor: _____

Item	Check	Days	Nights	Comments
[redacted]	Free of dents, dings, bulging, creasing, etc? (Yes/No)	yes		
[redacted]	Grounded? (Yes/No)	yes		
Hazardous Waste Satellite Area #11	Drum Level (1/4, 1/2, etc)	1/3		
[redacted]	Drained? (Yes/No)	yes		
[redacted]	Area spill free? (Yes/No)	yes		
[redacted]	Labeled as monomer waste? (Yes/No)	yes		
[redacted]	Changed and dated if full? (Yes/No)	N/A		
[redacted]	Free of leaks or evidence of leaking? (Yes/No)	yes		
[redacted]	Free of dents, dings, bulging, creasing, etc? (Yes/No)	yes		
[redacted]	Grounded? (Yes/No)	yes		
Containment Tote for Busch Pump Room Floor Drain	Tote empty? (Yes/No)	No		
[redacted]	If not empty, determine what is inside. If just water from washing Busch pump room, then can empty into trench. If ethylene glycol, used oil, or unknown / unsure, contact Operations Engineer.	H_2O		
[redacted]	Area spill free? (Yes/No)	yes		
[redacted]	Labeled as wastewater? (Yes/No)	yes		
[redacted]	Free of leaks or evidence of leaking? (Yes/No)	yes		
[redacted]	Free of dents, dings, bulging, creasing, etc? (Yes/No)	yes		
Satellite Area Supplies	One pallet of new drums available? (Yes/No)	N/A		
Ionol supply adequate?	(Yes/No)	yes		
No. 7 Rx. Oil seal	Record level in sight glass	1/3		
No. 7 Rx. Nitrogen seal	Record pressure. Should be > 100 psig.	105		
Water flow to: (Flow indicated in sight glass)	No. 7 reactor seal. Flow visible? (Yes/No)	off		
No. 7 Gyrol cooler. Flow visible?	(Yes/No)	off		
-408Water scrubber flow rate. Flow rate of water through T-408 in jet room	Record flowrate. Should be > 50 gpm	137		
Eyewash- Niko Tank	Proper flow, temperature & alarm	N/A		
No. 8 Init. Jet decanter	Drained? (Yes/No)	No		
Purge water under #8 press	Is it ON? (should be OFF if using funda)	off		
Eyewash by safety room	Proper flow, temperature & alarm	N/A		

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Date: 04/12/10 **Days Operator:** CRC **Supervisor:** JLE

Nights Operator:_____ **Supervisor:**_____

Item	Check	Days	Nights	Comments
[redacted]	Free of dents, dings, bulging, creasing, etc? (Yes/No)	yes		
[redacted]	Grounded? (Yes/No)	yes		
Hazardous Waste **Accumulation Area #9**	Drum Level (1/4, 1/2, etc)	1/4		
[redacted]	Drained? (Yes/No)	yes		
[redacted]	Area spill free? (Yes/No)	yes		
[redacted]	Labeled as monomer waste? (Yes/No)	yes		
[redacted]	Record the date on the label of drum:	Date 4-12	Date	
[redacted]	Is the date on the label <45 days: (Yes/No)	yes		
[redacted]	Does Drum need to be changed out? (Yes/No)	NO		
[redacted]	Free of leaks or evidence of leaking? (Yes/No)	yes		
[redacted]	Free of dents, dings, bulging, creasing, etc? (Yes/No)	yes		
[redacted]	Grounded? (Yes/No)	yes		
Hazardous Waste **Accumulation Area #4**	Drum Level (1/4, 1/2, etc)	1/3		
[redacted]	Drained? (Yes/No)	yes		
[redacted]	Area spill free? (Yes/No)	yes		
[redacted]	Labeled as monomer waste? (Yes/No)	yes		
[redacted]	Record the date on the label of drum:	Date 4-12	Date	
[redacted]	Is the date on the label <45 days? (Yes/No)	yes		
[redacted]	Does Drum need to be changed out? (Yes/No)	NO		
[redacted]	Free of leaks or evidence of leaking? (Yes/No)	yes		
[redacted]	Free of dents, dings, bulging, creasing, etc? (Yes/No)	yes		
[redacted]	Grounded? (Yes/No)	yes		
Hazardous Waste **Accumulation Area #5**	Drum Level (1/4, 1/2, etc)	1/3		
[redacted]	Drained? (Yes/No)	yes		
[redacted]	Area spill free? (Yes/No)	yes		
[redacted]	Labeled as monomer waste? (Yes/No)	yes		
[redacted]	Record the date on the label of drum:	Date 3-6	Date	
[redacted]	Is the date on the label <45 days? (Yes/No)	yes 3-6		
[redacted]	Does Drum need to be changed out? (Yes/No)	NO		
[redacted]	Free of leaks or evidence of leaking? (Yes/No)	yes		

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Date: 04/12/10 Days Operator: CNC Supervisor: JLF

Nights Operator: _____ Supervisor: _____

Item	Check	Days	Nights	Comments
P-150A west of D-150B in jet room	Any indication of liquids dripping from seal? (Yes/No)	No		
VP-530D vacuum pump near S-530DB in jet room	Any indication of liquids dripping from seal? (Yes/No)	No		
P-530DB south of S-530DB in jet room	Any indication of liquids dripping from seal? (Yes/No)	No		
VP-405D vacuum pump near S-405D in jet room	Any indication of liquids dripping from seal? (Yes/No)	No		
P-405D south of S-405D in jet room	Any indication of liquids dripping from seal? (Yes/No)	No		
P-151 west of TK-151 9Reactor vacuum condensate collection tank at ground level	Any indication of liquids dripping from seal? (Yes/No)	No		
P-153B west of TK-403D scrubber recirculation tank	Any indication of liquids dripping from seal? (Yes/No)	No		
P-153A west of TK-403D scrubber recirculation tank	Any indication of liquids dripping from seal? (Yes/No)	No		
Hazardous Waste **Accumulation Area #7**	Drum Level (1/4, 1/2, etc)	1/3		
	Drained? (Yes/No)	yes		
	Area spill free? (Yes/No)	yes		
	Labeled as monomer waste? (Yes/No)	yes		
	Record the date on the label of drum:	Date 3-18	Date	
	Is the date on the label <45 days? (Yes/No)	yes		
	Does Drum need to be changed out? (Yes/No)	No		
	Free of leaks or evidence of leaking? (Yes/No)	yes		
	Free of dents, dings, bulging, creasing, etc? (Yes/No)	yes		
	Grounded? (Yes/No)	yes		
Hazardous Waste **Accumulation Area #8**	Drum Level (1/4, 1/2, etc)	1/3		
	Drained? (Yes/No)	yes		
	Area spill free? (Yes/No)	yes		
	Labeled as monomer waste? (Yes/No)	yes		
	Record the date on the label of drum:	Date 3-30	Date	
	Is the date on the label <45 days? (Yes/No)	yes		
	Does Drum need to be changed out? (Yes/No)	No		
	Free of leaks or evidence of leaking? (Yes/No)	yes		

BASF Corporation	Title:	Daily Operations Inspection Checklist	
Wya Polyol Plant	No.:	WYP0213	Page 2 of 8

NOTE: MANY ITEMS ON THIS CHECKLIST ARE LEGAL REQUIREMENTS. IT IS MANDATORY THAT THIS CHECKLIST IS FILLED OUT COMPLETELY, AND RETURNED TO THE OPERATIONS SUPERVISOR FOR FILING. RECORDS ARE KEPT FOR 5 YEARS.

Date: 04/12/10 Days Operator: CRC Supervisor: JLF

Nights Operator: _____ Supervisor: _____

Item	Check	Days	Nights	Comments
[redacted]	If Yes, What is the pH?	N/A		
[redacted]	If Yes, What is the Color?	N/A		
[redacted]	# of Phases in Standing Water Sample? (1/2/NA)	N/A		
Eyewash pad by No. 7 RX	Proper flow, temperature & alarm? (Yes/No)		N/A	
#7 & #8 Trench valve	CLOSED? (Yes/No)	open		
Dust/Vapor collector drain drum by #7 RX. Emptied? (Yes/No)	Drum level (1/4, ½. Etc.)	N/A		
All 5-gallon pails in process area correctly labeled?	Yes or No? (If NO, please label)	N/A		
Hazardous Waste **Accumulation Area** #6	Drum Level (1/4, 1/2, etc)	1/2		
[redacted]	Drained? (Yes/No)	yes		
[redacted]	Area spill free? (Yes/No)	yes		
[redacted]	Labeled as monomer waste? (Yes/No)	yes		
[redacted]	Record the date on the label of drum:	Date 4-3	Date	
[redacted]	Is the date on the label <45 days: (Yes/No)	yes		
[redacted]	Does Drum need to be changed out? (Yes/No)	No		
[redacted]	Free of leaks or evidence of leaking? (Yes/No)	yes		
[redacted]	Free of dents, dings, bulging, creasing, etc? (Yes/No)	yes		
[redacted]	Grounded? (Yes/No)	yes		
A-405B 7Reactor	Any indication of liquids dripping from seal? (Yes/No)	No		
A-405C 8Reactor	Any indication of liquids dripping from seal? (Yes/No)	No		
A-408C 8Initiator	Any indication of liquids dripping from seal? (Yes/No)	No		
A-530 9Initiator	Any indication of liquids dripping from seal? (Yes/No)	No		
A-405D 9Reactor	Any indication of liquids dripping from seal? (Yes/No)	No		
VP-151 vacuum pump near D-151B in jet room	Any indication of liquids dripping from seal? (Yes/No)	No		
P-151A north of D-151B in jet room	Any indication of liquids dripping from seal? (Yes/No)	No		
P-405 bottom of TK-405D 9Reactor east of knock-out pot	Any indication of liquids dripping from seal? (Yes/No)	No		
VP-150 vacuum pump near D-150B in jet room	Any indication of liquids dripping from seal? (Yes/No)	No		

BASF Corporation	Title:	Daily Operations Inspection Checklist	
Wya Polyol Plant	No.:	WYP0213	Page 1 of 8

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Date: 04/12/10 **Days Operator:** CAC **Supervisor:** JLF

Nights Operator: _____ **Supervisor:** _____

Item	Check	Days	Nights	Comments
Emergency radio set on SCAN mode	Record status. Should be set on SCAN mode to monitor the Emergency Channel	OK		
Emergency radio volume	Record status. Volume should be turned "on"	OK		
Confirm that the radios of the Shift Leader and Tank Farm Area Leader are in the SCAN mode.	Record status. Should be set on SCAN mode to monitor the Emergency Channel.	OK		
Control Room pressure	Record pressure. Should be > 0.1"	.04		
Air moisture analyser	Record moisture content. Should be < -90, i.e. -95, -100, etc	-76		
Steam pressure	Record pressure. Should be > 105 psig. & stable	121		
Battery backup for temp. Indicator	Record voltage. Should be 24-30 volts	25		
General Monitors-#2 Plant	Record status. No alarms/no malfunctions	OK		
Instrument air pressure	Record pressure. Should be > 90 psig. & stable	98		
River water pressure	Record pressure. Should be > 65 psig. & stable	86		
Busch Glycol Storage level	Record level. Should be > 50%	63		
Busch Glycol Storage Temp.	Record temp. Should be > 140 °F	155		
TK526 Temp (Mercaptan)	Record temp. Should be 50-150°F.	90		
EO Transfer Pump	Using P-101B2? (Yes/No) If no report to coordinator	yes		
PO Transfer Pump	Using P-101C2? (Yes/No) If no report to coordinator	yes		
Battery backup	Ready light on? (Yes/No)	yes		
Survive Air packs (Control Room)	Two cleaned and available? (Yes/No)	yes	N/A	
Eyewash pressure	Record pressure. Should be > 60 psig.	64		
TMP recycle	Flowing? (Yes/No)	yes		
No 7 jet decanter waste **(Satellite)**	Drained and spill free? (Yes/No)	No/yes		
	Labeled as Jet Decanter Waste? (Yes/No)	yes		
	Full & Dated? (Yes/No)	N/A		
	Grounded? (Yes/No)	yes		
Sulfuric Acid Dike	Is the Dike Empty? (Yes/No)	No		
	If Not, Did You Empty? (Yes/No)	no.		
	What Time was Dike Emptied?	N/A		

BASF Corporation	Title:	Hazardous Waste Satellite Storage Log		
Wya Polyol Plant	No.:	WYP0222	Page:	3 of 4

HAZARDOUS WASTE < 90 DAY ACCUMULATIONS STORAGE AREA - INSPECTION/TRANSFER LOG
RETURN COMPLETED LOG TO SUPERVISOR TO BE FILED IN THE POLYOL DOCUMENT CENTER
SITE WASTE WARHOUSE HOURS MONDAY/WEDNESDAY 1-2PM, FRIDAY 10-11 AM

DATE: 4-9-10 TIME: 900 INSPECTED BY (PRINT FULL NAME): DAVID PRESTON

[illegible]	Description	START DATE ON LABEL IS <11 MONTHS	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1	Waste Batteries (U-800) Supervisor's Office **(Dispose of >11 months)**	OK	Y	Y	Y	Y	1/4	Y	N/A	Ø
2	Waste Batteries (U-800) Maintenance Shop **(Dispose of >11 months)**	OK	Y	Y	Y	Y	1/3	Y	N/A	Ø

WASTE TRANSFERS / COMMENTS (PLEASE LOG ALL TRANSFERS WITH INDIVIDUAL CONTAINER WEIGHTS IN POUNDS)

UNCONTROLLED COPY
Printed: Sat Apr 10 07:08:04 EDT 2010; Expires: Sun Apr 11 07:08:04 EDT 2010
File Name: WYP0222 HAZARDOUS WASTE SATELLITE STORAGE LOG(10.0), Owner Name: Bryan, Jeff

BASF Corporation	Title:	Hazardous Waste Satellite Storage Log		
Wya Polyol Plant	No.:	WYP0222	Page:	3 of 4

HAZARDOUS WASTE < 90 DAY ACCUMULATIONS STORAGE AREA - INSPECTION/TRANSFER LOG
RETURN COMPLETED LOG TO SUPERVISOR TO BE FILED IN THE POLYOL DOCUMENT CENTER
SITE WASTE WARHOUSE HOURS MONDAY/WEDNESDAY 1-2PM, FRIDAY 10-11 AM

DATE: 4-9-10 TIME: 900 INSPECTED BY (PRINT FULL NAME): DAVID PRESTON

[illegible]	[illegible]	RECORD THE DATE OFF THE LABEL. IS IT <45 DAYS OLD?	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4	Monomer Waste (W-010)	Date: 4-8-10	Y	Y	1/2	Y	Y	N/A	~~0~~
5	Monomer Waste (W-010)	Date: 3-6-10	Y	Y	1/3	Y	Y	N/A	~~0~~
6	Monomer Waste (W-010)	Date: 4-3-10	Y	Y	1/2	Y	Y	N/A	2
7	Monomer Waste (W-010)	Date: 3-18-10	Y	Y	1/3	Y	Y	N/A	2
8	Monomer Waste (W-010)	Date: 3-30-10	Y	Y	1/3	Y	Y	N/A	~~0~~
9	Monomer Waste (W-010)	Date: 3-30-10	Y	Y	1/3	Y	Y	N/A	~~0~~
					1/2				

WASTE TRANSFERS / COMMENTS (PLEASE LOG ALL TRANSFERS WITH INDIVIDUAL CONTAINER WEIGHTS IN POUNDS)

UNCONTROLLED COPY
Printed: Sat Apr 10 07:08:04 EDT 2010; Expires: Sun Apr 11 07:08:04 EDT 2010
File Name: WYP0222 HAZARDOUS WASTE SATELLITE STORAGE LOG(10.0); Owner Name: Bryan, Jeff

HAZARDOUS WASTE < 90 DAY ACCUMULATIONS STORAGE AREA - INSPECTION/TRANSFER LOG
RETURN COMPLETED LOG TO SUPERVISOR TO BE FILED IN THE POLYOL DOCUMENT CENTER

UNCONTROLLED COPY
Printed: Sat Apr 10 07:06:04 EDT 2010; Expires: Sun Apr 11 07:06:04 EDT 2010
File Name: WYP0222 HAZARDOUS WASTE SATELLITE STORAGE LOG(10.0); Owner Name: Bryan, Jeff

BASF Corporation	Title:	Hazardous Waste Satellite Storage Log		
Wya Polyol Plant	No.:	WYP0222	Page:	1 of 4

WASTE SATELLITE STORAGE AREA - INSPECTION/TRANSFER LOG
RETURN COMPLETED LOG TO SUPERVISOR TO BE FILED IN THE POLYOL DOCUMENT CENTER
SITE WASTE WARHOUSE HOURS MONDAY/WEDNESDAY 1-2PM, FRIDAY 10-11 AM

DATE: 4-9-10 TIME: 900 INSPECTED BY (PRINT FULL NAME): DAVID PRESSTON

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2	#7 Jet Decanter Waste (W-035)	Y	Y	Y	Y	1/2	Y	Y	N/A	~~O~~
1	Neutralized MDI Waste (W-067)	Y	Y	Y	Y	1/4	N	Y	N/A	~~O~~
11	Monomer Waste (W-010)	Y	Y	Y	Y	1/2	Y	Y	N/A	~~O~~
12	Neutralized TDI Waste (W-068)	Y	Y	Y	Y	M/T	Y	Y	N/A	~~O~~
13	Sugar/Pent/Polyol (A-645)	Y	Y	Y	Y	1/2	Y	Y	N/A	~~O~~
14										
15	Waste Toluene Filters (#3BB for carbon beds) (W-799)									
	Used Oil (A-603-08) Flammable Shed Maintence Pad	Y	Y	Y	Y	1/2	Y	Y	N/A	~~O~~
	Polyol QA Waste (W-760) (Will be inside of retain room)	Y	Y	Y	Y	1/3	Y	Y	N/A	~~O~~
	Crushed Glass (A-616) (Will be inside of retain room)	Y	Y	Y	Y	1/2	Y	Y	N/A	~~O~~
	Waste Aerosols (W-904) In Maintence Shop	Y	Y	Y	Y	1/4	Y	Y	N/A	~~O~~

WASTE TRANSFERS / COMMENTS (PLEASE LOG ALL TRANSFERS WITH INDIVIDUAL CONTAINER WEIGHTS IN POUNDS

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File Name: WYP0222 HAZARDOUS WASTE SATELLITE STORAGE LOG(10.0); Owner Name: Bryan, Jeff

BASF Corporation	Title:	Daily Operations Inspection Checklist	
Wya Polyol Plant	No.:	WYP0213	Page 8 of 8

NOTE: MANY ITEMS ON THIS CHECKLIST ARE LEGAL REQUIREMENTS. IT IS MANDATORY THAT THIS CHECKLIST IS FILLED OUT COMPLETELY, AND RETURNED TO THE OPERATIONS SUPERVISOR FOR FILING. RECORDS ARE KEPT FOR 5 YEARS.

Date: 4/5/10 Days Operator: DJN Supervisor: LO

Nights Operator: ST Supervisor:

	Item	Check	Days A	Nights B	C	D	E	F	Comments
19	Outlet Temp. on Busch Pumps (Check on Midnights) *SEE NOTE*	Record temp. Should be 100-160°F							
20	Busch pump A in Busch room	Any indication of liquid dripping from seal? (Yes/No)	N	N					
21	Busch pump B in Busch room	Any indication of liquid dripping from seal? (Yes/No)	N	N					
22	Busch pump C in Busch room	Any indication of liquid dripping from seal? (Yes/No)	N	N					
23	Busch pump F in Busch room	Any indication of liquid dripping from seal? (Yes/No)	—	—					
24	Busch pump E in Busch room	Any indication of liquid dripping from seal? (Yes/No)	N	N					
25	Busch pump D in Busch room	Any indication of liquid dripping from seal? (Yes/No)	N	N					
26	P-510A monomer mix tank pump	Any indication of liquid dripping from seal? (Yes/No)	N	N					
27	P-510 mixed monomer tank pump	Any indication of liquid dripping from seal? (Yes/No)	N	N					
28	P-525	Any indication of liquid dripping from seal? (Yes/No)	N	N					
29	P-529	Any indication of liquid dripping from seal? (Yes/No)	N	N					
30	P-528 CGR Pump	Any indication of liquid dripping from seal? (Yes/No)	N	N					
31	P-413C recycled monomer pump	Any indication of liquid dripping from seal? (Yes/No)	N	N					
32	Recycle TK413C for ½ hour each shift in automatic unless producing P-1528 and or P-1365.	Verify flow and temp of pump. Ok? (Yes/No)	Y	Y					

***If #10RX and PCGR are down leave one busch pump running and shut down the remaining pumps. Rotate that pump to a different pump every four hours.**

REVISIONS

1. Update title and number of document. Deniz Hinz 6/18/08
2. Add Monomer pumps to the inspection sheet for graft Joel Young 6/18/09
3. Added language for consistency, eliminated blanks, removed references to #7/#8/#10 Operator, general cleanup to 8 pages from 11 DHE 10/23/09

BASF Corporation	Title:	Daily Operations Inspection Checklist	
Wya Polyol Plant	No.:	WYP0213	Page 7 of 8

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Date: 4/5/10 Days Operator: DJN Supervisor: LO

Nights Operator: ST Supervisor:

	Item	Check	Days	Nights	Comments
		Results Legible and Clear? (Yes/No)	Y	Y	
		If Problem, was Maintenance Notified? (Yes/No)	N/A	N/A	
	Small Britesorb dump box.	Empty? (Yes/No)	Y	Y	
		Free of leaks or evidence of leaking? (Yes/No)	Y	Y	
		If box is under funda, Is the lid down? (Yes/No)	Y N	—	
		Area is clean and clear of ANY spilled material? (Yes/No)	Y	Y	
		Filter cake Under No.8 & 9 Funda & No. 8 Sparkler? (Yes/No)	Y	N	
	All 5 gallon pails in process area correctly labeled	(Yes/No) (If NO, please label)	N/A	Y	
	#9 Initiator base charging tote	Level of tote/ Emptied (Yes/No)	1/2 N	1/2	
	No. 9 Init. jet decanter	Drained? (Yes/No)	N	N	
	No. 9 Rx jet decanter	Drained and Purged EACH Shift? (Yes/No)	N	N	
	No. 9 Init. Agitator Seal	Record Level in sight glass. Should be visible.	—	1/3	
1	Eyewash Busch building	Proper flow & temperature & alarm? (Yes/No)	—	N/A	
2	Busch rupture disc pres.	Should be 0 psig. Enter MJ if disc has failed.	0	N/A	
3	#10 Rx rupture disc pres.	Should be 0 psig. Enter MJ if disc has failed.	0	N/A	
4	#10 Rx Agitator Seal Pres.	Record pressure. Should be 15 psig	16	16	
5	#10 Rx Agitator Seal Level	Should be visible (Yes/No)	3/4	3/4	
6	Eyewash - Deck by VB tank	Proper flow? (Yes/No)	Y	Y	
7	9 hold agitator	Seal level (1/4,1/2, Full)	—	—	
8	Eyewash by sulfuric acid tank	Proper, flow, temperature & alarm (Yes/No)	—	Y	
9	Eyewash by #9 Init. Charging	Proper flow & temperature & alarm (Yes/No)	—	Y	
10	#9 Trench valve	Should be CLOSED (Yes/No)	N	Y	WASHING TL Y
11	#10 Trench valve	Should be CLOSED (Yes/No)	~~N~~ Y	Y	
12	No 9 Hold Tank pump seal pot pressure	Record pressure. Should be between 200-230 psig	220	225	
13	9 Hold pump	Record Seal pot level (1/2,1/4,etc.)	9/10	Full	
14	9 Flash pump	Record Seal pot level (1/2,1/4,etc.)	1/3	1/3	
15	No 9 flash tank pump seal pot pressure	Record pressure. Should be between 200-230 psig	195	195	
16	Eyewash by graft pumpout header	Proper flow & temperature & alarm? (Yes/No)	—	Y	
17	Eyewash by truck load	Proper flow & temperature & alarm? (Yes/No)	Y	Y	
18	Eyewash by Tk-526	Proper flow & temperature & alarm? (Yes/No)	Y	Y	

BASF Corporation	Title:	Daily Operations Inspection Checklist	
Wya Polyol Plant	No.:	WYP0213	Page 6 of 8

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Date: 4/5/10 **Days Operator:** DJN **Supervisor:** LO

Nights Operator: ST **Supervisor:**

Item	Check	Days	Nights	Comments
Dust collector bag level (%)	Record level. Should be < 75% (empty as needed)	N/A	—	
Busch Pump Oil tank	Dike free of spills? No evidence of any leaks? (Yes/No)	Y	Y	
No. 2 Plant Warehouse Product and Raw material Drums and Bags in.	Warehouse is free of leaking drums and spilled / torn bags? (Yes/No)	Y	Y	
#8 Reactor jet decanter level	Report Level Drained (Yes/No)	MT N	MT / N	
Vazo Room- Floor is clear of pallets and plastic or other debris.	(Yes/No) If NO (Please clean up)	Y	Y	
All 5-gal pails in process area correctly labeled	(Yes/No) (If NO, please label)	N/A	Y	
Britesorb Roll Off boxes	Cover closed? (Yes/No)	N	N	
[redacted]	Sufficient water level in box? (Yes/No)	Y	Y	
[redacted]	Area spill free? (Yes/No)	Y	Y	
[redacted]	Box needs emptying? (Yes/No)	Y	N	
[redacted]	If < 2 boxes need emptying, report to foreman. (Save waste $$)	N/A	N/A	
[redacted]	Labeled with dated non-hazardous waste label? (Yes/No)	Y	Y	
[redacted]	PH value? (Monday and Thursday only)	N/A	N/A	
[redacted]	Free of leaks or evidence of leaking? (Yes/No)	Y	Y	
#7 and #8 base charging drain tote	Level of tote/ Emptied? (Yes/No)	2/3 D	2/3	
No. 8 Rx. Rupture disc pressure	Record pressure. Should be 0 psig.	0	0	
No. 8 Rx seal oil	Record level in sight glass. Should be visible	1/2	1/2	
No. 8 Rx seal nitrogen	Record pressure. Should be > 100 psig.	106	101	
No. 8 Init. seal oil	Record level in sight glass. Should be visible	1/4	1/4	
No. 8 Init. seal nitrogen	Record pressure. Should be > 110 psig.	119	119	
Water flow to:(Flow indicated in sight glass)	No. 8 Init. Seals. Visible flow? (Yes/No)	Y	Y	
[redacted]	No. 8 Rect. Seals (outlet pipe west side rx)Flow visible? (Yes/No)	Y	Y	
[redacted]	No. 8 Gyrol cooler. Flow visible? (Yes/No)	Y	Y	
[redacted]			—	
Thermal Ox. – Air Monitoring Yokagawa Strip Chart in Control Rm.	Does it have paper? (Yes/No)	Y	Y	
[redacted]	Record status. Power on? (Yes/No)	Y	Y	
[redacted]	Is Paper Jammed? (Yes/No)	N	N	
[redacted]	Is Start Button Green? (Yes/No)	Y	Y	

BASF Corporation	Title:	Daily Operations Inspection Checklist	
Wya Polyol Plant	No.:	WYP0213	Page 5 of 8

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Date: 4/5/10 Days Operator: DJN Supervisor: LO

Nights Operator: ST Supervisor:

Item	Check	Days	Nights	Comments
[redacted]	Free of dents, dings, bulging, creasing, etc? (Yes/No)	Y	Y	
[redacted]	Grounded? (Yes/No)	Y	Y	
Hazardous Waste Satellite Area #11	Drum Level (1/4, 1/2, etc)	1/3	1/3	
[redacted]	Drained? (Yes/No)	Y	Y	
[redacted]	Area spill free? (Yes/No)	Y	Y	
[redacted]	Labeled as monomer waste? (Yes/No)	Y	Y	
[redacted]	Changed and dated if full? (Yes/No)	N/A	N/A	
[redacted]	Free of leaks or evidence of leaking? (Yes/No)	Y	Y	
[redacted]	Free of dents, dings, bulging, creasing, etc? (Yes/No)	Y	Y	
[redacted]	Grounded? (Yes/No)	Y	Y	
Containment Tote for Busch Pump Room Floor Drain	Tote empty? (Yes/No)	N	N	
[redacted]	If not empty, determine what is inside. If just water from washing Busch pump room, then can empty into trench. If ethylene glycol, used oil, or unknown / unsure, contact Operations Engineer.	H2O	H2O	
[redacted]	Area spill free? (Yes/No)	Y	Y	
[redacted]	Labeled as wastewater? (Yes/No)	Y	Y	
[redacted]	Free of leaks or evidence of leaking? (Yes/No)	Y	Y	
[redacted]	Free of dents, dings, bulging, creasing, etc? (Yes/No)	Y	Y	
Satellite Area Supplies	One pallet of new drums available? (Yes/No)	N/A	Y	
Ionol supply adequate?	(Yes/No)	Y	Y	
No. 7 Rx. Oil seal	Record level in sight glass	3/8	3/8	
No. 7 Rx. Nitrogen seal	Record pressure. Should be > 100 psig.	104	105	
Water flow to: (Flow indicated in sight glass)	No. 7 reactor seal. Flow visible? (Yes/No)	Y	Y	
No. 7 Gyrol cooler. Flow visible?	(Yes/No)	Y	Y	
-408Water scrubber flow rate. Flow rate of water through T-408 in jet room	Record flowrate. Should be > 50 gpm	137	132	
Eyewash- Niko Tank	Proper flow, temperature & alarm	N/A	Y	
No. 8 Init. Jet decanter	Drained? (Yes/No)	N	N	
Purge water under #8 press	Is it ON? (should be OFF if using funda)	OFF	OFF	
Eyewash by safety room	Proper flow, temperature & alarm	N/A	Y	

BASF Corporation	Title:	Daily Operations Inspection Checklist	
Wya Polyol Plant	No.:	WYP0213	Page 4 of 8

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Date: 4/5/10 **Days Operator:** DJN **Supervisor:** LO

Nights Operator: St **Supervisor:**

Item	Check	Days	Nights	Comments
	Free of dents, dings, bulging, creasing, etc? (Yes/No)	Y	Y	
	Grounded? (Yes/No)	Y	Y	
Hazardous Waste **Accumulation Area #9**	Drum Level (1/4, 1/2, etc)	1/4	1/4	
	Drained? (Yes/No)	Y	Y	
	Area spill free? (Yes/No)	Y	Y	
	Labeled as monomer waste? (Yes/No)	Y	Y	
	Record the date on the label of drum:	Date 3/30	Date 3-30	
	Is the date on the label <45 days: (Yes/No)	Y	Y	
	Does Drum need to be changed out? (Yes/No)	N	N	
	Free of leaks or evidence of leaking? (Yes/No)	Y	Y	
	Free of dents, dings, bulging, creasing, etc? (Yes/No)	Y	Y	
	Grounded? (Yes/No)	Y	Y	
Hazardous Waste **Accumulation Area #4**	Drum Level (1/4, 1/2, etc)	1/2	Full	changed out
	Drained? (Yes/No)	Y	Y	
	Area spill free? (Yes/No)	Y	Y	
	Labeled as monomer waste? (Yes/No)	Y	Y	
	Record the date on the label of drum:	Date 4/4/10	Date 4-6	
	Is the date on the label <45 days? (Yes/No)	Y	Y	
	Does Drum need to be changed out? (Yes/No)	N	N	
	Free of leaks or evidence of leaking? (Yes/No)	Y	Y	
	Free of dents, dings, bulging, creasing, etc? (Yes/No)	Y	Y	
	Grounded? (Yes/No)	Y	Y	
Hazardous Waste **Accumulation Area #5**	Drum Level (1/4, 1/2, etc)	1/3	1/3	
	Drained? (Yes/No)	Y	Y	
	Area spill free? (Yes/No)	Y	Y	
	Labeled as monomer waste? (Yes/No)	Y	Y	
	Record the date on the label of drum:	Date 3/06	Date 3-6	
	Is the date on the label <45 days? (Yes/No)	Y	Y	
	Does Drum need to be changed out? (Yes/No)	N	N	
	Free of leaks or evidence of leaking? (Yes/No)	Y	Y	

BASF Corporation	Title:	Daily Operations Inspection Checklist	
Wya Polyol Plant	No.:	WYP0213	Page 3 of 8

NOTE: MANY ITEMS ON THIS CHECKLIST ARE LEGAL REQUIREMENTS. IT IS MANDATORY THAT THIS CHECKLIST IS FILLED OUT COMPLETELY, AND RETURNED TO THE OPERATIONS SUPERVISOR FOR FILING. RECORDS ARE KEPT FOR 5 YEARS.

Date: 4/5/10 **Days Operator:** DJN **Supervisor:** LO

Nights Operator: ST **Supervisor:**

Item	Check	Days	Nights	Comments
P-150A west of D-150B in jet room	Any indication of liquids dripping from seal? (Yes/No)	N	N	
VP-530D vacuum pump near S-530DB in jet room	Any indication of liquids dripping from seal? (Yes/No)	N	N	
P-530DB south of S-530DB in jet room	Any indication of liquids dripping from seal? (Yes/No)	N	N	
VP-405D vacuum pump near S-405D in jet room	Any indication of liquids dripping from seal? (Yes/No)	N	N	
P-405D south of S-405D in jet room	Any indication of liquids dripping from seal? (Yes/No)	N	N	
P-151 west of TK-151 9Reactor vacuum condensate collection tank at ground level	Any indication of liquids dripping from seal? (Yes/No)	N	N	
P-153B west of TK-403D scrubber recirculation tank	Any indication of liquids dripping from seal? (Yes/No)	N	N	
P-153A west of TK-403D scrubber recirculation tank	Any indication of liquids dripping from seal? (Yes/No)	N	N	
Hazardous Waste **Accumulation Area #7**	Drum Level (1/4, 1/2, etc)	1/8	1/8	
	Drained? (Yes/No)	Y	Y	
	Area spill free? (Yes/No)	Y	Y	
	Labeled as monomer waste? (Yes/No)	Y	Y	
	Record the date on the label of drum:	Date 3/14/10	Date 3-18	
	Is the date on the label <45 days? (Yes/No)	Y	Y	
	Does Drum need to be changed out? (Yes/No)	N	N	
	Free of leaks or evidence of leaking? (Yes/No)	Y	Y	
	Free of dents, dings, bulging, creasing, etc? (Yes/No)	Y	Y	
	Grounded? (Yes/No)	Y	Y	
Hazardous Waste **Accumulation Area #8**	Drum Level (1/4, 1/2, etc)	1/4	1/4	Locked out for
	Drained? (Yes/No)	Y	Y	Vent line repairs
	Area spill free? (Yes/No)	Y	Y	
	Labeled as monomer waste? (Yes/No)	Y	Y	
	Record the date on the label of drum:	Date 3/30	Date 5-30	
	Is the date on the label <45 days? (Yes/No)	Y	Y	
	Does Drum need to be changed out? (Yes/No)	N	N	
	Free of leaks or evidence of leaking? (Yes/No)	Y	Y	

BASF Corporation	Title:	Daily Operations Inspection Checklist	
Wya Polyol Plant	No.:	WYP0213	Page 2 of 8

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Date: 4/5/10 **Days Operator:** DJN **Supervisor:** LO

Nights Operator: ST **Supervisor:**

Item	Check	Days	Nights	Comments
[redacted]	If Yes, What is the pH?	N/A	N/A	
[redacted]	If Yes, What is the Color?	N/A	N/A	
[redacted]	# of Phases in Standing Water Sample? (1/2/NA)	N/A	N/A	
Eyewash pad by No. 7 RX	Proper flow, temperature & alarm? (Yes/No)	Y	N/A	
#7 & #8 Trench valve	CLOSED? (Yes/No)	N	N	
Dust/Vapor collector drain drum by #7 RX. Emptied? (Yes/No)	Drum level (1/4, ½. Etc.)	N/A	1/4	
All 5-gallon pails in process area correctly labeled?	Yes or No? (If NO, please label)	N/A	Y	
Hazardous Waste **Accumulation Area** #6	Drum Level (1/4, 1/2, etc)	1/4	1/3	
[redacted]	Drained? (Yes/No)	Y	Y	
[redacted]	Area spill free? (Yes/No)	Y	Y	
[redacted]	Labeled as monomer waste? (Yes/No)	Y	Y	
[redacted]	Record the date on the label of drum:	Date 4/2/10	Date 4-3	
[redacted]	Is the date on the label <45 days: (Yes/No)	Y	Y	
[redacted]	Does Drum need to be changed out? (Yes/No)	N	N	
[redacted]	Free of leaks or evidence of leaking? (Yes/No)	Y	Y	
[redacted]	Free of dents, dings, bulging, creasing, etc? (Yes/No)	Y	Y	
[redacted]	Grounded? (Yes/No)	Y	Y	
A-405B 7Reactor	Any indication of liquids dripping from seal? (Yes/No)	N	N	
A-405C 8Reactor	Any indication of liquids dripping from seal? (Yes/No)	N	N	
A-408C 8Initiator	Any indication of liquids dripping from seal? (Yes/No)	N	N	
A-530 9Initiator	Any indication of liquids dripping from seal? (Yes/No)	N	N	
A-405D 9Reactor	Any indication of liquids dripping from seal? (Yes/No)	N	N	
VP-151 vacuum pump near D-151B in jet room	Any indication of liquids dripping from seal? (Yes/No)	N	N	
P-151A north of D-151B in jet room	Any indication of liquids dripping from seal? (Yes/No)	N	N	
P-405 bottom of TK-405D 9Reactor east of knock-out pot	Any indication of liquids dripping from seal? (Yes/No)	N	N	
VP-150 vacuum pump near D-150B in jet room	Any indication of liquids dripping from seal? (Yes/No)	N	N	

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Date: 4/5/10 **Days Operator:** djn **Supervisor:** LO

Nights Operator: ST **Supervisor:**

Item	Check	Days	Nights	Comments
Emergency radio set on SCAN mode	Record status. Should be set on SCAN mode to monitor the Emergency Channel	Y	ok	
Emergency radio volume	Record status. Volume should be turned "on"	ON	OK	
Confirm that the radios of the Shift Leader and Tank Farm Area Leader are in the SCAN mode.	Record status. Should be set on SCAN mode to monitor the Emergency Channel.	Y	ok	
Control Room pressure	Record pressure. Should be > 0.1"	.4	.04	
Air moisture analyser	Record moisture content. Should be < -90, i.e. -95, -100, etc	-73	-77	
Steam pressure	Record pressure. Should be > 105 psig. & stable	122	118	
Battery backup for temp. Indicator	Record voltage. Should be 24-30 volts	24.7	2457	
General Monitors-#2 Plant	Record status. No alarms/no malfunctions	NONE	NONE	
Instrument air pressure	Record pressure. Should be > 90 psig. & stable	101	102	
River water pressure	Record pressure. Should be > 65 psig. & stable	86	86	
Busch Glycol Storage level	Record level. Should be > 50%	63	63	
Busch Glycol Storage Temp.	Record temp. Should be > 140 °F	155	155	
TK526 Temp (Mercaptan)	Record temp. Should be 50-150°F.	90.6	90	
EO Transfer Pump	Using P-101B2? (Yes/No) If no report to coordinator	Y	Y	
PO Transfer Pump	Using P-101C2? (Yes/No) If no report to coordinator	Y	Y	
Battery backup	Ready light on? (Yes/No)	Y	Y	
Survive Air packs (Control Room)	Two cleaned and available? (Yes/No)	Y	N/A	
Eyewash pressure	Record pressure. Should be > 60 psig.	67	67	
TMP recycle	Flowing? (Yes/No)	Y	Y	
No 7 jet decanter waste **(Satellite)**	Drained and spill free? (Yes/No)	N Y	N/Y	
	Labeled as Jet Decanter Waste? (Yes/No)	Y	Y	
	Full & Dated? (Yes/No)	N/A	N/A	
	Grounded? (Yes/No)	Y	Y	
Sulfuric Acid Dike	Is the Dike Empty? (Yes/No)	N	N	
	If Not, Did You Empty? (Yes/No)	N	N	
	What Time was Dike Emptied?	N/A	N/A	

HAZARDOUS WASTE < 90 DAY ACCUMULATIONS STORAGE AREA - INSPECTION/TRANSFER LOG
RETURN COMPLETED LOG TO SUPERVISOR TO BE FILED IN THE POLYOL DOCUMENT CENTER

UNCONTROLLED COPY
Printed: Mon Mar 29 12 03 17 EDT 2010; Expires: Tue Mar 30 12:03:17 EDT 2010
File Name: WYP0222 HAZARDOUS WASTE SATELLITE STORAGE LOG(10.0), Owner Name: Bryan, Jeff

BASF Corporation	Title:	Hazardous Waste Satellite Storage Log		
Wya Polyol Plant	No.:	WYP0222	Page:	1 of 4

WASTE SATELLITE STORAGE AREA - INSPECTION/TRANSFER LOG
RETURN COMPLETED LOG TO SUPERVISOR TO BE FILED IN THE POLYOL DOCUMENT CENTER
SITE WASTE WARHOUSE HOURS MONDAY/WEDNESDAY 1-2PM, FRIDAY 10-11 AM

DATE: 3-29-10 TIME: 1230 INSPECTED BY (PRINT FULL NAME): JERRY FIGURSKI

2	#7 Jet Decanter Waste (W-035)	OK	OK	OK	OK	3/4	YES	YES	N/A	N/A
1	Neutralized MDI Waste (W-067)	OK	OK	OK	OK	PART	YES	YES	N/A	N/A
11	Monomer Waste (W-010)	OK	OK	OK	OK	PART	YES	YES	N/A	N/A
12	Neutralized TDI Waste (W-068)	OK	OK	OK	OK	PART	YES	YES	N/A	N/A
13	Sugar/Pent/Polyol (A-645)	OK	OK	OK	OK	PART	YES	YES	N/A	N/A
14										
15	Waste Toluene Filters (#3BB for carbon beds) (W-799)	OK	OK	OK	OK	PART	YES	YES	N/A	N/A
	Used Oil (A-603-08) Flammable Shed Maintence Pad	OK	OK	OK	OK	PART	YES	YES	N/A	N/A
	Polyol QA Waste (W-760) (Will be inside of retain room)	OK	OK	OK	OK	PART	YES	YES	N/A	N/A
	Crushed Glass (A-616) (Will be inside of retain room)	OK	OK	OK	OK	PART	YES	YES	N/A	N/A
	Waste Aerosols (W-904) In Maintence Shop	OK	OK	OK	OK	PART	YES	YES	N/A	N/A

WASTE TRANSFERS / COMMENTS (PLEASE LOG ALL TRANSFERS WITH INDIVIDUAL CONTAINER WEIGHTS IN POUNDS

UNCONTROLLED COPY
Printed: Mon Mar 29 12:03:17 EDT 2010; Expires: Tue Mar 30 12:03:17 EDT 2010
File Name: WYP0222 HAZARDOUS WASTE SATELLITE STORAGE LOG(10 0), Owner Name: Bryan, Jeff

BASF Corporation	Title:	Hazardous Waste Satellite Storage Log		
Wya Polyol Plant	No.:	WYP0222	Page:	3 of 4

HAZARDOUS WASTE < 90 DAY ACCUMULATIONS STORAGE AREA - INSPECTION/TRANSFER LOG
RETURN COMPLETED LOG TO SUPERVISOR TO BE FILED IN THE POLYOL DOCUMENT CENTER
SITE WASTE WARHOUSE HOURS MONDAY/WEDNESDAY 1-2PM, FRIDAY 10-11 AM

DATE: 1-4-10 TIME: 11:00 AM INSPECTED BY (PRINT FULL NAME): JERRY FIGURSKI

[illegible]	[illegible]	START DATE ON LABEL IS <11 MONTHS	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1	Waste Batteries (U-800) Supervisor's Office (Dispose of >11 months)	7/1/09	OK	OK	OK	OK	1/3	OK	N/A	N/A
2	Waste Batteries (U-800) Maintenance Shop (Dispose of >11 months)	7/1/09	OK	OK	OK	OK	1/3	OK	N/A	N/A

WASTE TRANSFERS / COMMENTS (PLEASE LOG ALL TRANSFERS WITH INDIVIDUAL CONTAINER WEIGHTS IN POUNDS)

BASF Corporation	Title:	Hazardous Waste Satellite Storage Log		
Wya Polyol Plant	No.:	WYP0222	Page:	3 of 4

HAZARDOUS WASTE < 90 DAY ACCUMULATIONS STORAGE AREA - INSPECTION/TRANSFER LOG
RETURN COMPLETED LOG TO SUPERVISOR TO BE FILED IN THE POLYOL DOCUMENT CENTER
SITE WASTE WARHOUSE HOURS MONDAY/WEDNESDAY 1-2PM, FRIDAY 10-11 AM

DATE: 1-4-10 TIME: 11:00AM INSPECTED BY (PRINT FULL NAME): Joey Figurski

[illegible]	[illegible]	RECORD THE DATE OFF THE LABEL, IS IT <45 DAYS OLD?	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4	Monomer Waste (W-010)	Date: 1/4	OK	OK	MT	OK	OK	N/A	N/A
5	Monomer Waste (W-010)	Date: 12/09	OK	OK	1/2	OK	OK	N/A	N/A
6	Monomer Waste (W-010)	Date: 12/30	OK	OK	1/2	OK	OK	N/A	N/A
7	Monomer Waste (W-010)	Date: 12/30	OK	OK	5/4	OK	OK	N/A	N/A
8	Monomer Waste (W-010)	Date: 12/20	OK	OK	1/4	OK	OK	N/A	N/A
9	Monomer Waste (W-010)	Date: 12/29	OK	OK	3/4	OK	OK	N/A	N/A

WASTE TRANSFERS / COMMENTS (PLEASE LOG ALL TRANSFERS WITH INDIVIDUAL CONTAINER WEIGHTS IN POUNDS):

BASF Corporation	Title:	Hazardous Waste Satellite Storage Log		
Wya Polyol Plant	No.:	WYP0222	Page:	1 of 4

WASTE SATELLITE STORAGE AREA - INSPECTION/TRANSFER LOG

RETURN COMPLETED LOG TO SUPERVISOR TO BE FILED IN THE POLYOL DOCUMENT CENTER

SITE WASTE WARHOUSE HOURS MONDAY/WEDNESDAY 1-2PM, FRIDAY 10-11 AM

DATE: 1-4-10 TIME: 11:00AM INSPECTED BY (PRINT FULL NAME): JERRY FIGURSKI

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2	#7 Jet Decanter Waste (W-035)	OK	OK	OK	OK	MT	OK	OK	N/A	N/A
1	Neutralized MDI Waste (W-067)	OK	OK	OK	OK	1/2	OK	OK	N/A	N/A
11	Monomer Waste (W-010)	OK	OK	OK	OK	1/2	OK	OK	N/A	N/A
12	Neutralized TDI Waste (W-068)	OK	OK	OK	OK	1/2	OK	OK	N/A	N/A
13	Sugar/Pent/Polyol (A-645)	OK	OK	OK	OK	1/2	OK	OK	N/A	N/A
14	Waste TDA (W-009)		OUT	OF	SERVICE					
15	Waste Toluene Filters (#3BB for carbon beds) (W-799)	OK	OK	OK	OK	1/4	NO	OK	N/A	N/A
	Used Oil (A-603-08) Flammable Shed Maintence Pad	OK	OK	OK	OK	1/3	NO	OK	N/A	N/A
	Polyol QA Waste (W-760) (Will be inside of retain room)	OK	OK	OK	OK	1/2	OK	OK	N/A	N/A
	Crushed Glass (A-616) (Will be inside of retain room)	OK	OK	OK	OK	1/2	OK	OK	N/A	N/A
	Waste Aerosols (W-904) In Maintence Shop	OK	OK	OK	OK	3/4	OK	OK	N/A	N/A

WASTE TRANSFERS / COMMENTS (PLEASE LOG ALL TRANSFERS WITH INDIVIDUAL CONTAINER WEIGHTS IN POUNDS

BASF Corporation	Title:	Daily Operations Inspection Checklist	
Wya Polyol Plant	No.:	WYP0213	Page 8 of 8

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Date: 1/11/10 Days Operator: djn Supervisor: [illegible]

Nights Operator: _____ Supervisor: _____

	Item	Check	Days	Nights	Comments			
19	Outlet Temp. on Busch Pumps (Check on Midnights) *SEE NOTE*	Record temp. Should be 100-160°F	A	B	C	D	E	F
20	Busch pump A in Busch room	Any indication of liquid dripping from seal? (Yes/No)	N					
21	Busch pump B in Busch room	Any indication of liquid dripping from seal? (Yes/No)	N					
22	Busch pump C in Busch room	Any indication of liquid dripping from seal? (Yes/No)	N					
23	Busch pump F in Busch room	Any indication of liquid dripping from seal? (Yes/No)	N					
24	Busch pump E in Busch room	Any indication of liquid dripping from seal? (Yes/No)	N					
25	Busch pump D in Busch room	Any indication of liquid dripping from seal? (Yes/No)	N					
26	P-510A monomer mix tank pump	Any indication of liquid dripping from seal? (Yes/No)	N					
27	P-510 mixed monomer tank pump	Any indication of liquid dripping from seal? (Yes/No)	N					
28	P-525	Any indication of liquid dripping from seal? (Yes/No)	N					
29	P-529	Any indication of liquid dripping from seal? (Yes/No)	N					
30	P-528 CGR Pump	Any indication of liquid dripping from seal? (Yes/No)	N					
31	P-413C recycled monomer pump	Any indication of liquid dripping from seal? (Yes/No)	N					
32	Recycle TK413C for ½ hour each shift in automatic unless producing P-1528 and or P-1365.	Verify flow and temp of pump. Ok? (Yes/No)	Y					

***If #10RX and PCGR are down leave one busch pump running and shut down the remaining pumps. Rotate that pump to a different pump every four hours.**

REVISIONS

1. Update title and number of document. Deniz Hinz 6/18/08
2. Add Monomer pumps to the inspection sheet for graft Joel Young 6/18/09
3. Added language for consistency, eliminated blanks, removed references to #7/#8/#10 Operator, general cleanup to 8 pages from 11 DHE 10/23/09

BASF Corporation	Title:	Daily Operations Inspection Checklist	
Wya Polyol Plant	No.:	WYP0213	Page 7 of 8

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Date: 1/11/10 Days Operator: djn Supervisor:_____

Nights Operator:_____ Supervisor:_____

Item		Check	Days	Nights	Comments
		Results Legible and Clear? (Yes/No)	Y		
		If Problem, was Maintenance Notified? (Yes/No)	N/A		
Small Britesorb dump box.		Empty? (Yes/No)	Y		
		Free of leaks or evidence of leaking? (Yes/No)	Y		
		If box is under funda, Is the lid down? (Yes/No)	Y		
		Area is clean and clear of ANY spilled material? (Yes/No)	Y		
		Filter cake Under No.8 & 9 Funda & No. 8 Sparkler? (Yes/No)	Y		
All 5 gallon pails in process area correctly labeled		(Yes/No) (If NO, please label)	N/A		
#9 Initiator base charging tote		Level of tote/ Emptied (Yes/No)	1/3		
No. 9 Init. jet decanter		Drained? (Yes/No)	N		
No. 9 Rx jet decanter		Drained and Purged EACH Shift? (Yes/No)	N		
No. 9 Init. Agitator Seal		Record Level in sight glass. Should be visible.	1/3		
1	Eyewash Busch building	Proper flow & temperature & alarm? (Yes/No)	—	N/A	
2	Busch rupture disc pres.	Should be 0 psig. Enter MJ if disc has failed.	0	N/A	
3	#10 Rx rupture disc pres.	Should be 0 psig. Enter MJ if disc has failed.	0	N/A	
4	#10 Rx Agitator Seal Pres.	Record pressure. Should be 15 psig	15		
5	#10 Rx Agitator Seal Level	Should be visible (Yes/No)	2/3		
6	Eyewash - Deck by VB tank	Proper flow? (Yes/No)	—		
7	9 hold agitator	Seal level (1/4,1/2, Full)	—		
8	Eyewash by sulfuric acid tank	Proper, flow, temperature & alarm (Yes/No)	—		
9	Eyewash by #9 Init. Charging	Proper flow & temperature & alarm (Yes/No)	—		
10	#9 Trench valve	Should be CLOSED (Yes/No)	Y		
11	#10 Trench valve	Should be CLOSED (Yes/No)	Y		
12	No 9 Hold Tank pump seal pot pressure	Record pressure. Should be between 200-230 psig	220		
13	9 Hold pump	Record Seal pot level (1/2,1/4,etc.)	1/2		
14	9 Flash pump	Record Seal pot level (1/2,1/4,etc.)	1/2		
15	No 9 flash tank pump seal pot pressure	Record pressure. Should be between 200-230 psig	165		
16	Eyewash by graft pumpout header	Proper flow & temperature & alarm? (Yes/No)	—		
17	Eyewash by truck load	Proper flow & temperature & alarm? (Yes/No)	—		
18	Eyewash by Tk-526	Proper flow & temperature & alarm? (Yes/No)	—		

BASF Corporation	Title:	Daily Operations Inspection Checklist	
Wya Polyol Plant	No.:	WYP0213	Page 5 of 8

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Date: 1/11/10 Days Operator: djn Supervisor: [illegible]

Nights Operator: _____ Supervisor: _____

Item	Check	Days	Nights	Comments
	Free of dents, dings, bulging, creasing, etc? (Yes/No)	Y		
	Grounded? (Yes/No)	Y		
Hazardous Waste Satellite Area #11	Drum Level (1/4, 1/2, etc)	1/4		
	Drained? (Yes/No)	Y		
	Area spill free? (Yes/No)	Y		
	Labeled as monomer waste? (Yes/No)	Y		
	Changed and dated if full? (Yes/No)	Y		
	Free of leaks or evidence of leaking? (Yes/No)	Y		
	Free of dents, dings, bulging, creasing, etc? (Yes/No)	Y		
	Grounded? (Yes/No)	Y		
Containment Tote for Busch Pump Room Floor Drain	Tote empty? (Yes/No)	N		
	If not empty, determine what is inside. If just water from washing Busch pump room, then can empty into trench. If ethylene glycol, used oil, or unknown / unsure, contact Operations Engineer.	H2O		
	Area spill free? (Yes/No)	Y		
	Labeled as wastewater? (Yes/No)	Y		
	Free of leaks or evidence of leaking? (Yes/No)	Y		
	Free of dents, dings, bulging, creasing, etc? (Yes/No)	Y		
Satellite Area Supplies	One pallet of new drums available? (Yes/No)	N/A		
Ionol supply adequate?	(Yes/No)	Y		
No. 7 Rx. Oil seal	Record level in sight glass	2/3		
No. 7 Rx. Nitrogen seal	Record pressure. Should be >.100 psig.	105		
Water flow to: (Flow indicated in sight glass)	No. 7 reactor seal. Flow visible? (Yes/No)	Y		
No. 7 Gyrol cooler. Flow visible?	(Yes/No)	Y		
-408Water scrubber flow rate. Flow rate of water through T-408 in jet room	Record flowrate. Should be > 50 gpm	14 2		
Eyewash- Niko Tank	Proper flow, temperature & alarm	N/A		
No. 8 Init. Jet decanter	Drained? (Yes/No)	N		
Purge water under #8 press	Is it ON? (should be OFF if using funda)	ON		
Eyewash by safety room	Proper flow, temperature & alarm	N/A		

BASF Corporation	Title:	Daily Operations Inspection Checklist	
Wya Polyol Plant	No.:	WYP0213	Page 4 of 8

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Date: 1/11/10 Days Operator: djn Supervisor: LU

Nights Operator: Supervisor:

Item	Check	Days	Nights	Comments
	Free of dents, dings, bulging, creasing, etc? (Yes/No)	Y		
	Grounded? (Yes/No)	Y		
Hazardous Waste **Accumulation** Area #9	Drum Level (1/4, 1/2, etc)	2/3		
	Drained? (Yes/No)	Y		
	Area spill free? (Yes/No)	Y		
	Labeled as monomer waste? (Yes/No)	Y		
	Record the date on the label of drum:	Date 12/29	Date	
	Is the date on the label <45 days: (Yes/No)	Y		
	Does Drum need to be changed out? (Yes/No)	N		
	Free of leaks or evidence of leaking? (Yes/No)	Y		
	Free of dents, dings, bulging, creasing, etc? (Yes/No)	Y		
	Grounded? (Yes/No)	Y		
Hazardous Waste **Accumulation** Area #4	Drum Level (1/4, 1/2, etc)	1/4		
	Drained? (Yes/No)	Y		
	Area spill free? (Yes/No)	Y		
	Labeled as monomer waste? (Yes/No)	Y		
	Record the date on the label of drum:	Date 1/11/10	Date	
	Is the date on the label <45 days? (Yes/No)	Y		
	Does Drum need to be changed out? (Yes/No)	N		1 Changed
	Free of leaks or evidence of leaking? (Yes/No)	Y		
	Free of dents, dings, bulging, creasing, etc? (Yes/No)	Y		
	Grounded? (Yes/No)	Y		
Hazardous Waste **Accumulation** Area #5	Drum Level (1/4, 1/2, etc)	1/2		
	Drained? (Yes/No)	Y		
	Area spill free? (Yes/No)	Y		
	Labeled as monomer waste? (Yes/No)	Y		
	Record the date on the label of drum:	Date 12/19	Date	
	Is the date on the label <45 days? (Yes/No)	Y		
	Does Drum need to be changed out? (Yes/No)	N		
	Free of leaks or evidence of leaking? (Yes/No)	Y		

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Date: 1/11/10 Days Operator: djn Supervisor: iO

Nights Operator: _____ Supervisor: _____

Item	Check	Days	Nights	Comments
P-150A west of D-150B in jet room	Any indication of liquids dripping from seal? (Yes/No)	N		
VP-530D vacuum pump near S-530DB in jet room	Any indication of liquids dripping from seal? (Yes/No)	N		
P-530DB south of S-530DB in jet room	Any indication of liquids dripping from seal? (Yes/No)	N		
VP-405D vacuum pump near S-405D in jet room	Any indication of liquids dripping from seal? (Yes/No)	N		
P-405D south of S-405D in jet room	Any indication of liquids dripping from seal? (Yes/No)	N		
P-151 west of TK-151 9Reactor vacuum condensate collection tank at ground level	Any indication of liquids dripping from seal? (Yes/No)	N		
P-153B west of TK-403D scrubber recirculation tank	Any indication of liquids dripping from seal? (Yes/No)	N		
P-153A west of TK-403D scrubber recirculation tank	Any indication of liquids dripping from seal? (Yes/No)	N		
Hazardous Waste **Accumulation Area #7**	Drum Level (1/4, 1/2, etc)	1/2		
	Drained? (Yes/No)	Y		
	Area spill free? (Yes/No)	Y		
	Labeled as monomer waste? (Yes/No)	Y		
	Record the date on the label of drum:	Date 12/30	Date	
	Is the date on the label <45 days? (Yes/No)	Y		
	Does Drum need to be changed out? (Yes/No)	N		
	Free of leaks or evidence of leaking? (Yes/No)	Y		
	Free of dents, dings, bulging, creasing, etc? (Yes/No)	Y		
	Grounded? (Yes/No)	Y		
Hazardous Waste **Accumulation Area #8**	Drum Level (1/4, 1/2, etc)	1/4		
	Drained? (Yes/No)	Y		
	Area spill free? (Yes/No)	Y		
	Labeled as monomer waste? (Yes/No)	Y		
	Record the date on the label of drum:	Date 12/30	Date	
	Is the date on the label <45 days? (Yes/No)	Y		
	Does Drum need to be changed out? (Yes/No)	N		
	Free of leaks or evidence of leaking? (Yes/No)	Y		

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Date: 1/10/1/10 Days Operator: djn Supervisor: LO

Nights Operator: Supervisor:

Item	Check	Days	Nights	Comments
	If Yes, What is the pH?	N/A		
	If Yes, What is the Color?	N/A		
	# of Phases in Standing Water Sample? (1/2/NA)	N/A		
Eyewash pad by No. 7 RX	Proper flow, temperature & alarm? (Yes/No)	—	N/A	
#7 & #8 Trench valve	CLOSED? (Yes/No)	N		
Dust/Vapor collector drain drum by #7 RX. Emptied? (Yes/No)	Drum level (1/4, ½. Etc.)	N/A		
All 5-gallon pails in process area correctly labeled?	Yes or No? (If NO, please label)	N/A		
Hazardous Waste **Accumulation Area** #6	Drum Level (1/4, 1/2, etc)	1/2		
	Drained? (Yes/No)	Y		
	Area spill free? (Yes/No)	Y		
	Labeled as monomer waste? (Yes/No)	Y		
	Record the date on the label of drum:	Date 12/30	Date	
	Is the date on the label <45 days: (Yes/No)	Y		
	Does Drum need to be changed out? (Yes/No)	N		
	Free of leaks or evidence of leaking? (Yes/No)	Y		
	Free of dents, dings, bulging, creasing, etc? (Yes/No)	Y		
	Grounded? (Yes/No)	Y		
A-405B 7Reactor	Any indication of liquids dripping from seal? (Yes/No)	N		
A-405C 8Reactor	Any indication of liquids dripping from seal? (Yes/No)	N		
A-408C 8Initiator	Any indication of liquids dripping from seal? (Yes/No)	N		
A-530 9Initiator	Any indication of liquids dripping from seal? (Yes/No)	N		
A-405D 9Reactor	Any indication of liquids dripping from seal? (Yes/No)	N		
VP-151 vacuum pump near D-151B in jet room	Any indication of liquids dripping from seal? (Yes/No)	N		
P-151A north of D-151B in jet room	Any indication of liquids dripping from seal? (Yes/No)	N		
P-405 bottom of TK-405D 9Reactor east of knock-out pot	Any indication of liquids dripping from seal? (Yes/No)	N		
VP-150 vacuum pump near D-150B in jet room	Any indication of liquids dripping from seal? (Yes/No)	N		

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Date: 1/11/10 Days Operator: djx Supervisor: LC

Nights Operator: _____ Supervisor: _____

Item	Check	Days	Nights	Comments
Emergency radio set on SCAN mode	Record status. Should be set on SCAN mode to monitor the Emergency Channel	Y		
Emergency radio volume	Record status Volume should be turned "on"	Y		
Confirm that the radios of the Shift Leader and Tank Farm Area Leader are in the SCAN mode.	Record status. Should be set on SCAN mode to monitor the Emergency Channel.	Y		
Control Room pressure	Record pressure. Should be > 0.1"	.4		
Air moisture analyser	Record moisture content. Should be < -90, i.e. -95, -100, etc	-67		
Steam pressure	Record pressure. Should be > 105 psig. & stable	113		
Battery backup for temp. Indicator	Record voltage. Should be 24-30 volts	24.99		
General Monitors-#2 Plant	Record status. No alarms/no malfunctions	NONE		
Instrument air pressure	Record pressure. Should be > 90 psig. & stable	104		
River water pressure	Record pressure. Should be > 65 psig. & stable	89		
Busch Glycol Storage level	Record level. Should be > 50%	63		
Busch Glycol Storage Temp.	Record temp. Should be > 140 °F	155		
TK526 Temp (Mercaptan)	Record temp. Should be 50-150°F.	54		
EO Transfer Pump	Using P-101B2? (Yes/No) If no report to coordinator	Y		
PO Transfer Pump	Using P-101C2? (Yes/No) If no report to coordinator	Y		
Battery backup	Ready light on? (Yes/No)	ON		
Survive Air packs (Control Room)	Two cleaned and available? (Yes/No)	Y	N/A	
Eyewash pressure	Record pressure. Should be > 60 psig.	61		
TMP recycle	Flowing? (Yes/No)	Y		
No 7 jet decanter waste **(Satellite)**	Drained and spill free? (Yes/No)	~~Y~~ N Y		
	Labeled as Jet Decanter Waste? (Yes/No)	Y		
	Full & Dated? (Yes/No)	N		
	Grounded? (Yes/No)	Y		
Sulfuric Acid Dike	Is the Dike Empty? (Yes/No)	N		
	If Not, Did You Empty? (Yes/No)	N		Frozen
	What Time was Dike Emptied?	Y		

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Date: 1/18/10 Days Operator: CRC Supervisor: JLF

Nights Operator: SSJ Supervisor: DPF

	Item	Check	Days	Nights	Comments			
19	Outlet Temp. on Busch Pumps (Check on Midnights) *SEE NOTE*	Record temp. Should be 100-160°F	A Pumps	B	C Down	D	E	F
20	Busch pump A in Busch room	Any indication of liquid dripping from seal? (Yes/No)	NO	No				
21	Busch pump B in Busch room	Any indication of liquid dripping from seal? (Yes/No)	NO	No				
22	Busch pump C in Busch room	Any indication of liquid dripping from seal? (Yes/No)	NO	No				
23	Busch pump F in Busch room	Any indication of liquid dripping from seal? (Yes/No)	NO	No				
24	Busch pump E in Busch room	Any indication of liquid dripping from seal? (Yes/No)	NO	No				
25	Busch pump D in Busch room	Any indication of liquid dripping from seal? (Yes/No)	NO	No				
26	P-510A monomer mix tank pump	Any indication of liquid dripping from seal? (Yes/No)	No	No				
27	P-510 mixed monomer tank pump	Any indication of liquid dripping from seal? (Yes/No)	NO	No				
28	P-525	Any indication of liquid dripping from seal? (Yes/No)	NO	No				
29	P-529	Any indication of liquid dripping from seal? (Yes/No)	NO	No				
30	P-528 CGR Pump	Any indication of liquid dripping from seal? (Yes/No)	NO	No				
31	P-413C recycled monomer pump	Any indication of liquid dripping from seal? (Yes/No)	NO ~~YES~~	No				
32	Recycle TK413C for ½ hour each shift in automatic unless producing P-1528 and or P-1365.	Verify flow and temp of pump. Ok? (Yes/No)	YES	YES				

***If #10RX and PCGR are down leave one busch pump running and shut down the remaining pumps. Rotate that pump to a different pump every four hours.**

REVISIONS

1. Update title and number of document. Deniz Hinz 6/18/08
2. Add Monomer pumps to the inspection sheet for graft Joel Young 6/18/09
3. Added language for consistency, eliminated blanks, removed references to #7/#8/#10 Operator, general cleanup to 8 pages from .11 DHE 10/23/09

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Date: 1/18/10 Days Operator: CRC Supervisor: JLF

Nights Operator: SSS Supervisor: DAF

Item		Check	Days	Nights	Comments
		Results Legible and Clear? (Yes/No)	yes	yes	
		If Problem, was Maintenance Notified? (Yes/No)	N/A	N/A	
Small Britesorb dump box.		Empty? (Yes/No)	yes	yes	
		Free of leaks or evidence of leaking? (Yes/No)	yes	yes	
		If box is under funda, Is the lid down? (Yes/No)	N/A	no	
		Area is clean and clear of ANY spilled material? (Yes/No)	yes	yes	
		Filter cake Under No.8 & 9 Funda & No. 8 Sparkler? (Yes/No)	ok	No	
All 5 gallon pails in process area correctly labeled		(Yes/No) (If NO, please label)	N/A	yes	
#9 Initiator base charging tote		Level of tote/ Emptied (Yes/No)	1/3		
No. 9 Init. jet decanter		Drained? (Yes/No)	NO	Yes	
No. 9 Rx jet decanter		Drained and Purged EACH Shift? (Yes/No)	NO	no	
No. 9 Init. Agitator Seal		Record Level in sight glass. Should be visible.	1/3	1/3	
1	Eyewash Busch building	Proper flow & temperature & alarm? (Yes/No)	—	N/A	
2	Busch rupture disc pres.	Should be 0 psig. Enter MJ if disc has failed.	0	N/A	
3	#10 Rx rupture disc pres.	Should be 0 psig. Enter MJ if disc has failed.	0	N/A	
4	#10 Rx Agitator Seal Pres.	Record pressure. Should be 15 psig	16	18	
5	#10 Rx Agitator Seal Level	Should be visible (Yes/No)		3/4	
6	Eyewash - Deck by VB tank	Proper flow? (Yes/No)	—	—	
7	9 hold agitator	Seal level (1/4,1/2, Full)	—	—	
8	Eyewash by sulfuric acid tank	Proper, flow, temperature & alarm (Yes/No)	—	—	
9	Eyewash by #9 Init. Charging	Proper flow & temperature & alarm (Yes/No)	—	—	
10	#9 Trench valve	Should be CLOSED (Yes/No)	closed	closed	
11	#10 Trench valve	Should be CLOSED (Yes/No)	closed	closed	
12	No 9 Hold Tank pump seal pot pressure	Record pressure. Should be between 200-230 psig	225	125	
13	9 Hold pump	Record Seal pot level (1/2,1/4,etc.)	1/3	1/3	
14	9 Flash pump	Record Seal pot level (1/2,1/4,etc.)	1/2	1/2	
15	No 9 flash tank pump seal pot pressure	Record pressure. Should be between 200-230 psig	200	200	
16	Eyewash by graft pumpout header	Proper flow & temperature & alarm? (Yes/No)	—	—	
17	Eyewash by truck load	Proper flow & temperature & alarm? (Yes/No)	—	—	
18	Eyewash by Tk-526	Proper flow & temperature & alarm? (Yes/No)	—	—	

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Date: 1/18/10 Days Operator: CRC Supervisor: JLF

Nights Operator: SSS Supervisor: SAF

Item	Check	Days	Nights	Comments
Dust collector bag level (%)	Record level. Should be < 75% (empty as needed)	N/A	N/A	
Busch Pump Oil tank	Dike free of spills? No evidence of any leaks? (Yes/No)	Yes	yes	
No. 2 Plant Warehouse Product and Raw material Drums and Bags in.	Warehouse is free of leaking drums and spilled / tom bags? (Yes/No)	yes	yes	
#8 Reactor jet decanter level	Report Level Drained (Yes/No)	1/3		
Vazo Room- Floor is clear of pallets and plastic or other debris.	(Yes/No) If NO (Please clean up)	ok	yes	
All 5-gal pails in process area correctly labeled	(Yes/No) (If NO, please label)	N/A	yes	
Britesorb Roll Off boxes	Cover closed? (Yes/No)	No	No	
	Sufficient water level in box? (Yes/No)	yes	yes	
	Area spill free? (Yes/No)	yes	yes	
	Box needs emptying? (Yes/No)	No	No	
	If < 2 boxes need emptying, report to foreman. (Save waste $$)	N/A	N/A	
	Labeled with dated non-hazardous waste label? (Yes/No)	yes	yes	
	PH value? (Monday and Thursday only)	N/A	N/A	
	Free of leaks or evidence of leaking? (Yes/No)	yes	yes	
#7 and #8 base charging drain tote	Level of tote/ Emptied? (Yes/No)	1/2		
No. 8 Rx. Rupture disc pressure	Record pressure. Should be 0 psig.	0	0	
No. 8 Rx seal oil	Record level in sight glass. Should be visible	1/2	1/2	
No. 8 Rx seal nitrogen	Record pressure. Should be > 100 psig.	100	105	
No. 8 Init. seal oil	Record level in sight glass. Should be visible	1/3	1/3	
No. 8 Init. seal nitrogen	Record pressure. Should be > 110 psig.	116	118	
Water flow to:(Flow indicated in sight glass)	No. 8 Init. Seals. Visible flow? (Yes/No)	ok	yes	
	No. 8 Rect. Seals (outlet pipe west side rx)Flow visible? (Yes/No)	ok	yes	
	No. 8 Gyrol cooler. Flow visible? (Yes/No)	ok	yes	
Thermal Ox. – Air Monitoring Yokagawa Strip Chart in Control Rm.	Does it have paper? (Yes/No)	Yes	yes	
	Record status. Power on? (Yes/No)	yes	yes	
	Is Paper Jammed? (Yes/No)	No	No	
	Is Start Button Green? (Yes/No)	Yes	yes	

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Date: 1/18/10 Days Operator: CRC Supervisor: JLF

Nights Operator: SSS Supervisor: DAF

Item	Check	Days	Nights	Comments
	Free of dents, dings, bulging, creasing, etc? (Yes/No)	D	yes	
	Grounded? (Yes/No)	C	yes	
Hazardous Waste Satellite Area #11	Drum Level (1/4, 1/2, etc)	C		
	Drained? (Yes/No)	n	yes	
	Area spill free? (Yes/No)		yes	
	Labeled as monomer waste? (Yes/No)		yes	
	Changed and dated if full? (Yes/No)		No	
	Free of leaks or evidence of leaking? (Yes/No)		yes	
	Free of dents, dings, bulging, creasing, etc? (Yes/No)		yes	
	Grounded? (Yes/No)		yes	
Containment Tote for Busch Pump Room Floor Drain	Tote empty? (Yes/No)		No	
	If not empty, determine what is inside. If just water from washing Busch pump room, then can empty into trench. If ethylene glycol, used oil, or unknown / unsure, contact Operations Engineer.	1/2 Frozen H_2O	←	
	Area spill free? (Yes/No)	yes	yes	
	Labeled as wastewater? (Yes/No)	yes	yes	
	Free of leaks or evidence of leaking? (Yes/No)	yes	yes	
	Free of dents, dings, bulging, creasing, etc? (Yes/No)	yes	yes	
Satellite Area Supplies	One pallet of new drums available? (Yes/No)	N/A	yes	
Ionol supply adequate?	(Yes/No)	yes	yes	
No. 7 Rx. Oil seal	Record level in sight glass	3/3	3/3	
No. 7 Rx. Nitrogen seal	Record pressure. Should be > 100 psig.	105	110	
Water flow to: (Flow indicated in sight glass)	No. 7 reactor seal. Flow visible? (Yes/No)	yes	yes	
No. 7 Gyrol cooler. Flow visible?	(Yes/No)	yes	yes	
-408Water scrubber flow rate. Flow rate of water through T-408 in jet room	Record flowrate. Should be > 50 gpm	139	134	
Eyewash- Niko Tank	Proper flow, temperature & alarm	N/A	yes	
No. 8 Init. Jet decanter	Drained? (Yes/No)	NO	No	
Purge water under #8 press	Is it ON? (should be OFF if using funda)	on	on	
Eyewash by safety room	Proper flow, temperature & alarm	N/A	yes	

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Date: 1/18/10 Days Operator: CAC Supervisor: JLF

Nights Operator: SSS Supervisor: DAF

Item	Check	Days	Nights	Comments
	Free of dents, dings, bulging, creasing, etc? (Yes/No)		yes	
	Grounded? (Yes/No)	D	yes	
Hazardous Waste **Accumulation** Area #9	Drum Level (1/4, 1/2, etc)	0	1/4	
	Drained? (Yes/No)	D	yes	
	Area spill free? (Yes/No)	n	yes	
	Labeled as monomer waste? (Yes/No)		yes	
	Record the date on the label of drum:	Date 1/2	Date 1/2	
	Is the date on the label <45 days: (Yes/No)		yes	
	Does Drum need to be changed out? (Yes/No)	D	No	
	Free of leaks or evidence of leaking? (Yes/No)		yes	
	Free of dents, dings, bulging, creasing, etc? (Yes/No)	0	yes	
	Grounded? (Yes/No)	w	yes	
Hazardous Waste **Accumulation** Area #4	Drum Level (1/4, 1/2, etc)	n		
	Drained? (Yes/No)			
	Area spill free? (Yes/No)			
	Labeled as monomer waste? (Yes/No)			
	Record the date on the label of drum:	Date 1/13	Date 1/13	
	Is the date on the label <45 days? (Yes/No)		yes	
	Does Drum need to be changed out? (Yes/No)	D	No	
	Free of leaks or evidence of leaking? (Yes/No)	0	yes	
	Free of dents, dings, bulging, creasing, etc? (Yes/No)	w	yes	
	Grounded? (Yes/No)		yes	
Hazardous Waste **Accumulation** Area #5	Drum Level (1/4, 1/2, etc)	n		
	Drained? (Yes/No)		yes	
	Area spill free? (Yes/No)		yes	
	Labeled as monomer waste? (Yes/No)		yes	
	Record the date on the label of drum:	Date 12/19	Date 12/19	
	Is the date on the label <45 days? (Yes/No)		yes	
	Does Drum need to be changed out? (Yes/No)		No ~~yes~~	
	Free of leaks or evidence of leaking? (Yes/No)		yes	

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Date: 1/18/10 Days Operator: CRC Supervisor: JLF

Nights Operator: SSS Supervisor: DAF

Item	Check	Days	Nights	Comments
P-150A west of D-150B in jet room	Any indication of liquids dripping from seal? (Yes/No)	No	No	
VP-530D vacuum pump near S-530DB in jet room	Any indication of liquids dripping from seal? (Yes/No)	No	No	
P-530DB south of S-530DB in jet room	Any indication of liquids dripping from seal? (Yes/No)	No	No	
VP-405D vacuum pump near S-405D in jet room	Any indication of liquids dripping from seal? (Yes/No)	No	No	
P-405D south of S-405D in jet room	Any indication of liquids dripping from seal? (Yes/No)	No	No	
P-151 west of TK-151 9Reactor vacuum condensate collection tank at ground level	Any indication of liquids dripping from seal? (Yes/No)	No	No	
P-153B west of TK-403D scrubber recirculation tank	Any indication of liquids dripping from seal? (Yes/No)	No	No	
P-153A west of TK-403D scrubber recirculation tank	Any indication of liquids dripping from seal? (Yes/No)	No	No	
Hazardous Waste **Accumulation** Area #7	Drum Level (1/4, 1/2, etc)	1/3	1/3	
	Drained? (Yes/No)	yes	yes	
	Area spill free? (Yes/No)	yes	yes	
	Labeled as monomer waste? (Yes/No)	yes	yes	
	Record the date on the label of drum:	Date 12/30	Date 12/30	
	Is the date on the label <45 days? (Yes/No)	yes	yes	
	Does Drum need to be changed out? (Yes/No)	No	No	
	Free of leaks or evidence of leaking? (Yes/No)	yes	yes	
	Free of dents, dings, bulging, creasing, etc? (Yes/No)	yes	yes	
	Grounded? (Yes/No)	yes	yes	
Hazardous Waste **Accumulation** Area #8	Drum Level (1/4, 1/2, etc)	0	1/3	
	Drained? (Yes/No)	o	yes	
	Area spill free? (Yes/No)	u	yes	
	Labeled as monomer waste? (Yes/No)	n	yes	
	Record the date on the label of drum:	Date 1/5	Date 1/5	
	Is the date on the label <45 days? (Yes/No)		yes	
	Does Drum need to be changed out? (Yes/No)		No	
	Free of leaks or evidence of leaking? (Yes/No)		yes	

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Date: 1/18/10 Days Operator: CRC Supervisor: JLF

Nights Operator: SSS Supervisor: DNF

Item	Check	Days	Nights	Comments
	If Yes, What is the pH?	N/A	N/A	
	If Yes, What is the Color?	N/A	N/A	
	# of Phases in Standing Water Sample? (1/2/NA)	N/A	N/A	
Eyewash pad by No. 7 RX	Proper flow, temperature & alarm? (Yes/No)		N/A	
#7 & #8 Trench valve	CLOSED? (Yes/No)	open	open	
Dust/Vapor collector drain drum by #7 RX. Emptied? (Yes/No)	Drum level (1/4, ½ Etc.)	N/A	1/2	
All 5-gallon pails in process area correctly labeled?	Yes or No? (If NO, please label)	N/A	yes	
Hazardous Waste **Accumulation Area #6**	Drum Level (1/4, 1/2, etc)	D		
	Drained? (Yes/No)	O		
	Area spill free? (Yes/No)	L	yes	
	Labeled as monomer waste? (Yes/No)	n	yes	
	Record the date on the label of drum:	Date 12/30	Date 12/30	
	Is the date on the label <45 days: (Yes/No)	yes	yes	
	Does Drum need to be changed out? (Yes/No)		No	
	Free of leaks or evidence of leaking? (Yes/No)		yes	
	Free of dents, dings, bulging, creasing, etc? (Yes/No)		yes	
	Grounded? (Yes/No)		yes	
A-405B 7Reactor	Any indication of liquids dripping from seal? (Yes/No)	No	No	
A-405C 8Reactor	Any indication of liquids dripping from seal? (Yes/No)	No	No	
A-408C 8Initiator	Any indication of liquids dripping from seal? (Yes/No)	No	No	
A-530 9Initiator	Any indication of liquids dripping from seal? (Yes/No)	No	No	
A-405D 9Reactor	Any indication of liquids dripping from seal? (Yes/No)	No	No	
VP-151 vacuum pump near D-151B in jet room	Any indication of liquids dripping from seal? (Yes/No)	No	No	
P-151A north of D-151B in jet room	Any indication of liquids dripping from seal? (Yes/No)	No	No	
P-405 bottom of TK-405D 9Reactor east of knock-out pot	Any indication of liquids dripping from seal? (Yes/No)	No	No	
VP-150 vacuum pump near D-150B in jet room	Any indication of liquids dripping from seal? (Yes/No)	No	No	

BASF Corporation	Title:	Daily Operations Inspection Checklist	
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NOTE: MANY ITEMS ON THIS CHECKLIST ARE LEGAL REQUIREMENTS. IT IS MANDATORY THAT THIS CHECKLIST IS FILLED OUT COMPLETELY, AND RETURNED TO THE OPERATIONS SUPERVISOR FOR FILING. RECORDS ARE KEPT FOR 5 YEARS.

Date: 1/18/10 Days Operator: CRC Supervisor: JLP

Nights Operator: SSS Supervisor: [illegible]

Item	Check	Days	Nights	Comments
Emergency radio set on SCAN mode	Record status. Should be set on SCAN mode to monitor the Emergency Channel	OK	ON	
Emergency radio volume	Record status. Volume should be turned "on"	OK	ON	
Confirm that the radios of the Shift Leader and Tank Farm Area Leader are in the SCAN mode.	Record status. Should be set on SCAN mode to monitor the Emergency Channel.	OK	OK	
Control Room pressure	Record pressure. Should be > 0.1"	.04		
Air moisture analyser	Record moisture content. Should be < -90, i.e. -95, -100, etc	-83	-83	
Steam pressure	Record pressure. Should be > 105 psig. & stable	117	118	
Battery backup for temp. Indicator	Record voltage. Should be 24-30 volts	25.0	25.00	
General Monitors-#2 Plant	Record status. No alarms/no malfunctions	OK		
Instrument air pressure	Record pressure. Should be > 90 psig. & stable	106	103	
River water pressure	Record pressure. Should be > 65 psig. & stable	86	86	
Busch Glycol Storage level	Record level. Should be > 50%	62	61	
Busch Glycol Storage Temp.	Record temp. Should be > 140 °F	95	85	Busch pumps down
TK526 Temp (Mercaptan)	Record temp. Should be 50-150°F.	60	62°	
EO Transfer Pump	Using P-101B2? (Yes/No) If no report to coordinator	yes	yes	
PO Transfer Pump	Using P-101C2? (Yes/No) If no report to coordinator	yes	yes	
Battery backup	Ready light on? (Yes/No)	yes	ON	
Survive Air packs (Control Room)	Two cleaned and available? (Yes/No)	OK	N/A	
Eyewash pressure	Record pressure. Should be > 60 psig.	63		
TMP recycle	Flowing? (Yes/No)	yes		
No 7 jet decanter waste **(Satellite)**	Drained and spill free? (Yes/No)	No/yes	No/yes	
[redacted]	Labeled as Jet Decanter Waste? (Yes/No)	yes	yes	
[redacted]	Full & Dated? (Yes/No)	N/A	N/A	
[redacted]	Grounded? (Yes/No)	yes	yes	
Sulfuric Acid Dike	Is the Dike Empty? (Yes/No)	yes	yes	
[redacted]	If Not, Did You Empty? (Yes/No)	NO	No	
[redacted]	What Time was Dike Emptied?	N/A	N/A	

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Date: 1-25-10 Days Operator: ST Supervisor: _____

Nights Operator: DL Supervisor: CO

	Item	Check	Days	Nights	Comments
19	Outlet Temp. on Busch Pumps (Check on Midnights) *SEE NOTE*	Record temp. Should be 100-160°F	A 172	B 180	C 170 D 180 E 170 F Gone
20	Busch pump A in Busch room	Any indication of liquid dripping from seal? (Yes/No)	N	NO	
21	Busch pump B in Busch room	Any indication of liquid dripping from seal? (Yes/No)	N	NO	
22	Busch pump C in Busch room	Any indication of liquid dripping from seal? (Yes/No)	N	NO	
23	Busch pump F in Busch room	Any indication of liquid dripping from seal? (Yes/No)	—	NO	Gone
24	Busch pump E in Busch room	Any indication of liquid dripping from seal? (Yes/No)	N	NO	
25	Busch pump D in Busch room	Any indication of liquid dripping from seal? (Yes/No)	N	NO	
26	P-510A monomer mix tank pump	Any indication of liquid dripping from seal? (Yes/No)	N	NO	
27	P-510 mixed monomer tank pump	Any indication of liquid dripping from seal? (Yes/No)	N	NO	
28	P-525	Any indication of liquid dripping from seal? (Yes/No)	N	NO	
29	P-529	Any indication of liquid dripping from seal? (Yes/No)	N	NO	
30	P-528 CGR Pump	Any indication of liquid dripping from seal? (Yes/No)	N	NO	
31	P-413C recycled monomer pump	Any indication of liquid dripping from seal? (Yes/No)	N	NO	
32	Recycle TK413C for ½ hour each shift in automatic unless producing P-1528 and or P-1365.	Verify flow and temp of pump. Ok? (Yes/No)			

***If #10RX and PCGR are down leave one busch pump running and shut down the remaining pumps. Rotate that pump to a different pump every four hours.**

REVISIONS

1. Update title and number of document. Deniz Hinz 6/18/08
2. Add Monomer pumps to the inspection sheet for graft Joel Young 6/18/09
3. Added language for consistency, eliminated blanks, removed references to #7/#8/#10 Operator, general cleanup to 8 pages from 11 DHE 10/23/09

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Date: 1-25-16 Days Operator: Sr Supervisor: _____

Nights Operator: DE Supervisor: LO.

	Item	Check	Days	Nights	Comments
		Results Legible and Clear? (Yes/No)	Y	NO	
		If Problem, was Maintenance Notified? (Yes/No)	N/A	yes	
	Small Britesorb dump box.	Empty? (Yes/No)	Y	yes	
		Free of leaks or evidence of leaking? (Yes/No)	Y	yes	
		If box is under funda, Is the lid down? (Yes/No)	—	NO	
		Area is clean and clear of ANY spilled material? (Yes/No)	Y	yes	
		Filter cake Under No.8 & 9 Funda & No. 8 Sparkler? (Yes/No)	N	NO	
	All 5 gallon pails in process area correctly labeled	(Yes/No) (If NO, please label)	N/A	OK	
	#9 Initiator base charging tote	Level of tote/ Emptied (Yes/No)	1/3	Y3/NO	
	No. 9 Init. jet decanter	Drained? (Yes/No)	N	NO	
	No. 9 Rx jet decanter	Drained and Purged EACH Shift? (Yes/No)	N	NO	
	No. 9 Init. Agitator Seal	Record Level in sight glass. Should be visible.	1/3	Y3	
1	Eyewash Busch building	Proper flow & temperature & alarm? (Yes/No)	—	N/A	
2	Busch rupture disc pres.	Should be 0 psig. Enter MJ if disc has failed.	0	N/A	
3	#10 Rx rupture disc pres.	Should be 0 psig. Enter MJ if disc has failed.	0	N/A	
4	#10 Rx Agitator Seal Pres.	Record pressure. Should be 15 psig	18	18	
5	#10 Rx Agitator Seal Level	Should be visible (Yes/No)	3/4	N/3	
6	Eyewash - Deck by VB tank	Proper flow? (Yes/No)	—	To cold	
7	9 hold agitator	Seal level (1/4,1/2, Full)	—	—	
8	Eyewash by sulfuric acid tank	Proper, flow, temperature & alarm (Yes/No)	—	To cold	
9	Eyewash by #9 Init. Charging	Proper flow & temperature & alarm (Yes/No)	Y	OK	
10	#9 Trench valve	Should be CLOSED (Yes/No)	N	NO	
11	#10 Trench valve	Should be CLOSED (Yes/No)	Y	YES	
12	No 9 Hold Tank pump seal pot pressure	Record pressure. Should be between 200-230 psig	225	225	
13	9 Hold pump	Record Seal pot level (1/2,1/4,etc.)	1/3	Y3	
14	9 Flash pump	Record Seal pot level (1/2,1/4,etc.)	1/2	Y2	
15	No 9 flash tank pump seal pot pressure	Record pressure. Should be between 200-230 psig	195	200	
16	Eyewash by graft pumpout header	Proper flow & temperature & alarm? (Yes/No)	—	To cold	
17	Eyewash by truck load	Proper flow & temperature & alarm? (Yes/No)	—	To cold	
18	Eyewash by Tk-526	Proper flow & temperature & alarm? (Yes/No)	—	To cold	

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Date: 1-25-10 Days Operator: ST Supervisor: _____

Nights Operator: [illegible] Supervisor: LO

Item	Check	Days	Nights	Comments
Dust collector bag level (%)	Record level. Should be < 75% (empty as needed)	N/A	OK	
Busch Pump Oil tank	Dike free of spills? No evidence of any leaks? (Yes/No)	Y	yes	
No. 2 Plant Warehouse Product and Raw material Drums and Bags in.	Warehouse is free of leaking drums and spilled / torn bags? (Yes/No)	Y	yes	
#8 Reactor jet decanter level	Report Level Drained (Yes/No)	MT	MT	
Vazo Room- Floor is clear of pallets and plastic or other debris.	(Yes/No) If NO (Please clean up)	Y	yes	
All 5-gal pails in process area correctly labeled	(Yes/No) (If NO, please label)	N/A	yes	
Bitesorb Roll Off boxes	Cover closed? (Yes/No)	N	No	
	Sufficient water level in box? (Yes/No)	Y	yes	
	Area spill free? (Yes/No)	Y	yes	
	Box needs emptying? (Yes/No)	Y	yes	
	If < 2 boxes need emptying, report to foreman. (Save waste $$)	N/A	N/A	
	Labeled with dated non-hazardous waste label? (Yes/No)	Y	yes	
	PH value? (Monday and Thursday only)	N/A	N/A	
	Free of leaks or evidence of leaking? (Yes/No)	Y	yes	
#[illegible] and #8 base charging drain tote	Level of tote/ Emptied? (Yes/No)	1/3	1/3	
No. 8 Rx. Rupture disc pressure	Record pressure. Should be 0 psig.	0	0	
No. 8 Rx seal oil	Record level in sight glass. Should be visible	1/2	1/2	
No. 8 Rx seal nitrogen	Record pressure. Should be > 100 psig.	100	110	
No. 8 Init. seal oil	Record level in sight glass. Should be visible	1/3	1/3	
No. 8 Init. seal nitrogen	Record pressure. Should be > 110 psig.	119	118	
Water flow to:(Flow indicated in sight glass)	No. 8 Init. Seals. Visible flow? (Yes/No)	Y	yes	
	No. 8 Rect. Seals (outlet pipe west side rx)Flow visible? (Yes/No)	Y	yes	
	No. 8 Gyrol cooler. Flow visible? (Yes/No)	Y	yes	
Thermal Ox. – Air Monitoring Yokagawa Strip Chart in Control Rm.	Does it have paper? (Yes/No)	Y	yes	
	Record status. Power on? (Yes/No)	Y	yes	
	Is Paper Jammed? (Yes/No)	N	yes	
	Is Start Button Green? (Yes/No)	Y	yes	

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Date: 1-25-10 Days Operator: ST Supervisor: _____

Nights Operator: AL Supervisor: LO

Item	Check	Days	Nights	Comments
[illegible]	Free of dents, dings, bulging, creasing, etc? (Yes/No)	Y	Yes	
[illegible]	Grounded? (Yes/No)	Y	Yes	
Hazardous Waste Satellite Area #11	Drum Level (1/4, 1/2, etc)	3/4	3/4	
[illegible]	Drained? (Yes/No)	Y	Yes	
[illegible]	Area spill free? (Yes/No)	Y	Yes	
[illegible]	Labeled as monomer waste? (Yes/No)	Y	Yes	
[illegible]	Changed and dated if full? (Yes/No)	N/A	N/A	
[illegible]	Free of leaks or evidence of leaking? (Yes/No)	Y	Yes	
[illegible]	Free of dents, dings, bulging, creasing, etc? (Yes/No)	Y	Yes	
[illegible]	Grounded? (Yes/No)	Y	Yes	
Containment Tote for Busch Pump Room Floor Drain	Tote empty? (Yes/No)	N	NO	
[illegible]	If not empty, determine what is inside. If just water from washing Busch pump room, then can empty into trench. If ethylene glycol, used oil, or unknown / unsure, contact Operations Engineer.	H_2O FROZEN 1/2	H_2O FROZEN	
[illegible]	Area spill free? (Yes/No)	Y	Yes	
[illegible]	Labeled as wastewater? (Yes/No)	Y	Yes	
[illegible]	Free of leaks or evidence of leaking? (Yes/No)	Y	Yes	
[illegible]	Free of dents, dings, bulging, creasing, etc? (Yes/No)	Y	Yes	
Satellite Area Supplies	One pallet of new drums available? (Yes/No)	N/A	Yes	
Iodol supply adequate?	(Yes/No)	Y	Yes	
No. 7 Rx. Oil seal	Record level in sight glass	3/4	3/4	
No. 7 Rx. Nitrogen seal	Record pressure. Should be > 100 psig.	105	105	
Water flow to: (Flow indicated in sight glass)	No. 7 reactor seal. Flow visible? (Yes/No)	Y	Yes	
No. 7 Gyrol cooler. Flow visible?	(Yes/No)	Y	Yes	
-408Water scrubber flow rate. Flow rate of water through T-408 in jet room	Record flowrate. Should be > 50 gpm	141	140	
Eyewash- Niko Tank	Proper flow, temperature & alarm	N/A	Yes	
No. 8 Init. Jet decanter	Drained? (Yes/No)	N	NO	
Purge water under #8 press	Is it ON? (should be OFF if using funda)	ON	ON	
Eyewash by safety room	Proper flow, temperature & alarm	N/A	OK	

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Date: 1-25-10 Days Operator: ST Supervisor: _____

Nights Operator: [illegible] Supervisor: [illegible]

Item	Check	Days	Nights	Comments
	Free of dents, dings, bulging, creasing, etc? (Yes/No)	Y	yes	
	Grounded? (Yes/No)	Y	yes	
Hazardous Waste Accumulation Area #9	Drum Level (1/4, 1/2, etc)	1/3	1/3	
	Drained? (Yes/No)	Y	yes	
	Area spill free? (Yes/No)	Y	yes	
	Labeled as monomer waste? (Yes/No)	Y	yes	
	Record the date on the label of drum:	Date 1-12	Date 1-12	
	Is the date on the label <45 days: (Yes/No)	Y	yes	
	Does Drum need to be changed out? (Yes/No)	N	yes	
	Free of leaks or evidence of leaking? (Yes/No)	Y	yes	
	Free of dents, dings, bulging, creasing, etc? (Yes/No)	Y	yes	
	Grounded? (Yes/No)	Y	yes	
Hazardous Waste Accumulation Area #4	Drum Level (1/4, 1/2, etc)	1/2	1/3	
	Drained? (Yes/No)	Y	yes	
	Area spill free? (Yes/No)	Y	yes	
	Labeled as monomer waste? (Yes/No)	Y	yes	
	Record the date on the label of drum:	Date 1-23	Date 1-26	
	Is the date on the label <45 days? (Yes/No)	Y	yes	
	Does Drum need to be changed out? (Yes/No)	N	Changed	
	Free of leaks or evidence of leaking? (Yes/No)	Y	yes	
	Free of dents, dings, bulging, creasing, etc? (Yes/No)	Y	yes	
	Grounded? (Yes/No)	Y	yes	
Hazardous Waste Accumulation Area #5	Drum Level (1/4, 1/2, etc)	1/2	1/2	
	Drained? (Yes/No)	Y	yes	
	Area spill free? (Yes/No)	Y	yes	
	Labeled as monomer waste? (Yes/No)	Y	yes	
	Record the date on the label of drum:	Date 1-23	Date 1-23	
	Is the date on the label <45 days? (Yes/No)	Y	yes	
	Does Drum need to be changed out? (Yes/No)	N	no	
	Free of leaks or evidence of leaking? (Yes/No)	Y	yes	

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Date: 1-25-10 Days Operator: ST Supervisor: _____

Nights Operator: [illegible] Supervisor: LO

Item	Check	Days	Nights	Comments
P-150A west of D-150B in jet room	Any indication of liquids dripping from seal? (Yes/No)	N	NO	
VP-530D vacuum pump near S-530DB in jet room	Any indication of liquids dripping from seal? (Yes/No)	N	NO	
P-530DB south of S-530DB in jet room	Any indication of liquids dripping from seal? (Yes/No)	N	NO	
VP-405D vacuum pump near S-405D in jet room	Any indication of liquids dripping from seal? (Yes/No)	N	NO	
P-405D south of S-405D in jet room	Any indication of liquids dripping from seal? (Yes/No)	N	NO	
P-151 west of TK-151 9Reactor vacuum condensate collection tank at ground level	Any indication of liquids dripping from seal? (Yes/No)	N	NO	
P-153B west of TK-403D scrubber recirculation tank	Any indication of liquids dripping from seal? (Yes/No)	N	NO	
P-153A west of TK-403D scrubber recirculation tank	Any indication of liquids dripping from seal? (Yes/No)	N	NO	
Hazardous Waste **Accumulation** Area #7	Drum Level (1/4, 1/2, etc)	1/3	1/2	
	Drained? (Yes/No)	Y	YES	
	Area spill free? (Yes/No)	Y	YES	
	Labeled as monomer waste? (Yes/No)	Y	YES	
	Record the date on the label of drum:	Date 12-30	Date 12-30	
	Is the date on the label <45 days? (Yes/No)	Y	YES	
	Does Drum need to be changed out? (Yes/No)	N	NO	
	Free of leaks or evidence of leaking? (Yes/No)	Y	YES	
	Free of dents, dings, bulging, creasing, etc? (Yes/No)	Y	YES	
	Grounded? (Yes/No)	Y	YES	
Hazardous Waste **Accumulation** Area #8	Drum Level (1/4, 1/2, etc)	3/4	1/4	
	Drained? (Yes/No)	Y	YES	
	Area spill free? (Yes/No)	Y	YES	
	Labeled as monomer waste? (Yes/No)	Y	YES	
	Record the date on the label of drum:	Date 1-5	Date 1-5	
	Is the date on the label <45 days? (Yes/No)	Y	YES	
	Does Drum need to be changed out? (Yes/No)	N	NO	
	Free of leaks or evidence of leaking? (Yes/No)	Y	YES	

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Date: 1-25-10 Days Operator: ST Supervisor: _____

Nights Operator: DE Supervisor: LO

Item	Check	Days	Nights	Comments
[illegible]	If Yes, What is the pH?	N/A	N/A	
[illegible]	If Yes, What is the Color?	N/A	N/A	
[illegible]	# of Phases in Standing Water Sample? (1/2/NA)	N/A	N/A	
Eyewash pad by No. 7 RX	Proper flow, temperature & alarm? (Yes/No)	—	N/A	
#[illegible] & #8 Trench valve	CLOSED? (Yes/No)	Y	NO	
Dust/Vapor collector drain drum by #7 RX. Emptied? (Yes/No)	Drum level (1/4, ½ Etc.)	N/A	1/3	NO
All 5-gallon pails in process area correctly labeled?	Yes or No? (If NO, please label)	N/A	yes	
Hazardous Waste Accumulation Area #6	Drum Level (1/4, 1/2, etc)		1/3	
[illegible]	Drained? (Yes/No)	Y	yes	
[illegible]	Area spill free? (Yes/No)	Y	yes	
[illegible]	Labeled as monomer waste? (Yes/No)	Y	yes	
[illegible]	Record the date on the label of drum:	Date 1-20	Date 1-20	
[illegible]	Is the date on the label <45 days: (Yes/No)	Y	yes	
[illegible]	Does Drum need to be changed out? (Yes/No)	N	NO	
[illegible]	Free of leaks or evidence of leaking? (Yes/No)	Y	yes	
[illegible]	Free of dents, dings, bulging, creasing, etc? (Yes/No)	Y	yes	
[illegible]	Grounded? (Yes/No)	Y	yes	
A-405B 7Reactor	Any indication of liquids dripping from seal? (Yes/No)	N	NO	
A-405C 8Reactor	Any indication of liquids dripping from seal? (Yes/No)	N	NO	
A-408C 8Initiator	Any indication of liquids dripping from seal? (Yes/No)	N	NO	
A-530 9Initiator	Any indication of liquids dripping from seal? (Yes/No)	N	NO	
A-405D 9Reactor	Any indication of liquids dripping from seal? (Yes/No)	N	NO	
VP-151 vacuum pump near D-151B in jet room	Any indication of liquids dripping from seal? (Yes/No)	N	NO	
P-151A north of D-151B in jet room	Any indication of liquids dripping from seal? (Yes/No)	N	NO	
P-405 bottom of TK-405D 9Reactor east of knock-out pot	Any indication of liquids dripping from seal? (Yes/No)	N	NO	
VP-150 vacuum pump near D-150B in jet room	Any indication of liquids dripping from seal? (Yes/No)	N	NO	

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Date: 1-25-10 Days Operator: ST Supervisor: _____

Nights Operator: [illegible] Supervisor: [illegible]

Item	Check	Days	Nights	Comments
Emergency radio set on SCAN mode	Record status. Should be set on SCAN mode to monitor the Emergency Channel	ok	yes	
Emergency radio volume	Record status. Volume should be turned "on"	ok	on	
Confirm that the radios of the Shift Leader and Tank Farm Area Leader are in the SCAN mode.	Record status. Should be set on SCAN mode to monitor the Emergency Channel.	ok	yes	
Control Room pressure	Record pressure. Should be > 0.1"	.04	.04	
Air moisture analyser	Record moisture content. Should be < -90, i.e. -95, -100, etc	-85	-92	
Steam pressure	Record pressure. Should be > 105 psig. & stable	113	113	
Battery backup for temp. Indicator	Record voltage. Should be 24-30 volts	24.57	24.5	
General Monitors-#2 Plant	Record status. No alarms/no malfunctions	None	None	
Instrument air pressure	Record pressure. Should be > 90 psig. & stable	103	100	
River water pressure	Record pressure. Should be > 65 psig. & stable	82	85	
Busch Glycol Storage level	Record level. Should be > 50%	63	63	
Busch Glycol Storage Temp.	Record temp. Should be > 140 °F	155	155	
TK526 Temp (Mercaptan)	Record temp. Should be 50-150°F.	67	64	
EO Transfer Pump	Using P-101B2? (Yes/No) If no report to coordinator	Y	yes	
PO Transfer Pump	Using P-101C2? (Yes/No) If no report to coordinator	Y	yes	
Battery backup	Ready light on? (Yes/No)	on	on	
Survive Air packs (Control Room)	Two cleaned and available? (Yes/No)	Y	N/A	
Eyewash pressure	Record pressure. Should be > 60 psig.	65	65	
TMP recycle	Flowing? (Yes/No)	Y	yes	
No. 7 jet decanter waste (Satellite)	Drained and spill free? (Yes/No)	N / Y	No/yes	
	Labeled as Jet Decanter Waste? (Yes/No)	Y	yes	
	Full & Dated? (Yes/No)	N/A	N/A	
	Grounded? (Yes/No)	Y	yes	
Sulfuric Acid Dike	Is the Dike Empty? (Yes/No)	N	NO	
	If Not, Did You Empty? (Yes/No)	N	NO	
	What Time was Dike Emptied?	N/A	N/A	

BASF Corporation Second Set of Attachments

David W Sheaves to Bryan Gangwisch 06/27/2012 06:11 AM

From: David W Sheaves <david.sheaves@basf.com>
To: Bryan Gangwisch/R5/USEPA/US@EPA,

History: This message has been replied to.

6 attachments

06-09 Polyol Weekly Inspection.pdf 07-09 Polyol Weekly Inspection.pdf 09-09 Polyol Weekly Inspection.pdf
10-09 Polyol weekly Inspection.pdf 12-09 Polyol Weekly Inspection.pdf 12-10 Polyol Weekly Inspection.pdf

Bryan,

This is the second set of weekly inspections.

The inspection records will be comprised of weekly inspection sheets and daily inspection sheets. As you may recall the daily inspections were our back up process to ensure the Polyol Plant met the requirement to complete a weekly inspection of the less than 90 day accumulation storage areas.

Thanks

David Sheaves
Environmental Team Leader

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Be First to Strive! Then Strive to be First!

BASF Corporation	Title:	Daily Operations Inspection Checklist	
Wya Polyol Plant	No.:	WYP0213	Page 1 of 11

NOTE: MANY ITEMS ON THIS CHECKLIST ARE LEGAL REQUIREMENTS. IT IS MANDATORY THAT THIS CHECKLIST IS FILLED OUT COMPLETELY, AND RETURNED TO THE OPERATIONS SUPERVISOR FOR FILING. RECORDS ARE KEPT FOR 7 YEARS.

Date: 6/29/09 **Days Operator:** DJN **Supervisor:** TMJ

Nights Operator: DE **Supervisor:** JAF

#7 OPERATOR

	Item	Check	Days	Nights	Comments
1	Emergency radio set on SCAN mode	Should be set on SCAN mode to monitor the Emergency Channel	OK	OK	
2	Emergency radio volume	Volume should be turned on	Y	Y	
3	Confirm that the radios of the Shift Leader and Tank Farm Area Leader are in the SCAN mode.	Should be set on SCAN mode to monitor the Emergency Channel	OK	OK	
4	Control Room pressure	Pressure greater than 0.1"	.4	.05	
5	Air moisture analyser	Record moisture content (Should be less than -90)	-47	-64	
6	Steam pressure	Greater than 105 psig. & stable	119	119	
7	Battery backup for temp. Indicator	Should be 24-30 volts	24.7	24.6	
8	General Monitors-#2 Plant	No alarms/no malfunctions	OK	OK	I MADE CALLED INST
9	Instrument air pressure	90 psig. & stable	99	99	
10	River water pressure	Greater than 65 psig. & stable	75	82	
11	Busch Glycol Storage level	Greater than 50%	64	64	
12	Busch Glycol Storage Temp.	Should be > 120 °F	130	130	
13	TK526 Temp (Mercaptan)	Should be 50-150°F.	115	115	
14	TDA storage level	Level should be greater than 30,000lbs	—	N/A	
15	EO Transfer Pump	Using P-101B2? If no report to coordinator	OK	Y	
16	PO Transfer Pump	Using P-101C2? If no report to coordinator	OK	Y	
17	Battery backup	Ready light on?	Y	Y	
18	Survive Air packs (Control Room)	Should be two cleaned and available	OK	N/A	
19	TDA recycle	Flowing	—	—	
20	Eyewash pressure	Greater than 60 psig.	67	68	
21	TMP recycle	Flowing?	Y	Y	
22	No 7 jet decanter waste (Satellite)	Drained and spill free	N Y	NO/Y	
		Labeled as Jet Decanter Waste?	Y	Y	
		Full & Dated?	N/A	N/A	
		Grounded?	Y	Y	

NOTE: FULL DRUMS MUST BE TRANSPORTED TO HAZARDOUS WASTE STORAGE AREA WITHIN 3 DAYS AFTER FILLING (EXCLUDING HOLIDAYS).

BASF Corporation	Title:	Daily Operations Inspection Sheet	
Wya Polyol Plant	No.:	WYP0213	Page 2 of 11

Date: 6/29/09 Operator. Initials: RJN

#7 OPERATOR

	Item	Check	Days	Nights	Comments
23	Sulfuric Acid Dike	Is the Dike Empty (Y/N)?	N	N	
		If Not, Did You Empty (Y/N)?	N	N	
		What Time was Dike Emptied:			
		If Yes, What is the pH?	N	N	
		If Yes, What is the Color?	/	N/A	
		Qty of Phases in Standing Water Sample?	/	N/A	
24	Eyewash pad by No. 7 RX	Proper flow, temperature & alarm	OK	N/A	
25	#7 & #8 Trench valve	Should be CLOSED		open	
26	Dust/Vapor collector drain drum by #7 RX. Emptied?. (Yes or No)	Drum level (1/4, ½. Etc.)	N/A	1/3/NO	
27	All 5-gallon pails in process area correctly labeled?	Yes or No (If NO, please label)	N/A	OK	
28	Hazardous Waste **Accumulation Area #6**	Drum Level (1/4, 1/2, etc)	1/4	1/4	
		Drained?	Y	Y	
		Area spill free?	Y	Y	
		Labeled as monomer waste?	Y	Y	
		Record the date on the label of drum:	Date 6/24/09	Date 6/24/09	
		Is the date on the label <45 days:	Y	Y	
		Does Drum need to be changed out?	N	NO	
		Free of leaks or evidence of leaking?	Y	Y	
		Free of dents, dings, bulging, creasing, etc?	Y	Y	
		Grounded?			
	A-405B 7Reactor	Any indication of liquids dripping from seal? (yes or no)			

NOTE: FULL DRUMS MUST BE TRANSPORTED TO HAZARDOUS WASTE STORAGE AREA WITHIN 3 DAYS AFTER FILLING (EXCLUDING HOLIDAYS).

BASF Corporation	Title:	Daily Operations Inspection Checklist	
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Date: 6/29/09 Operator. Initials DW

#7 OPERATOR

	Item	Check	Days	Nights	Comments
	A-405C 8Reactor	Any indication of liquids dripping from seal? (yes or no)	N	NO	
	A-408C 8Initiator	Any indication of liquids dripping from seal? (yes or no)			
	A-530 9Initiator	Any indication of liquids dripping from seal? (yes or no)			
	A-405D 9Reactor	Any indication of liquids dripping from seal? (yes or no)			
	VP-151 vacuum pump near D-151B in jet room	Any indication of liquids dripping from seal? (yes or no)			
	P-151A north of D-151B in jet room	Any indication of liquids dripping from seal? (yes or no)			
	P-405 bottom of TK-405D 9Reactor east of knock-out pot	Any indication of liquids dripping from seal? (yes or no)			
	VP-150 vacuum pump near D-150B in jet room	Any indication of liquids dripping from seal? (yes or no)			
	P-150A west of D-150B in jet room	Any indication of liquids dripping from seal? (yes or no)			
	VP-530D vacuum pump near S-530DB in jet room	Any indication of liquids dripping from seal? (yes or no)			
	P-530DB south of S-530DB in jet room	Any indication of liquids dripping from seal? (yes or no)			
	VP-405D vacuum pump near S-405D in jet room	Any indication of liquids dripping from seal? (yes or no)			
	P-405D south of S-405D in jet room	Any indication of liquids dripping from seal? (yes or no)			
	P-151 west of TK-151 9Reactor vacuum condensate collection tank at ground level	Any indication of liquids dripping from seal? (yes or no)			
	P-153B west of TK-403D scrubber recirculation tank	Any indication of liquids dripping from seal? (yes or no)			
	P-153A west of TK-403D scrubber recirculation tank	Any indication of liquids dripping from seal? (yes or no)			

NOTE: FULL DRUMS MUST BE TRANSPORTED TO HAZARDOUS WASTE STORAGE AREA WITHIN 3 DAYS AFTER FILLING (EXCLUDING HOLIDAYS).

INSPECT LISTED AGITATOR SEALS & PUMP SEALS FOR ANY INDICATION OF LIQUIDS DRIPPING FROM THE SEAL.

BASF Corporation	Title:	Daily Operations Inspection Sheet	
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Date: 6/29/09 Operator. Initials: JDN

#7 OPERATOR

	Item	Check	Days	Nights	Comments
29	Hazardous Waste **Accumulation Area #7**	Drum Level (1/4, 1/2, etc)	1/3	1/3	
		Drained?	Y	Y	
		Area spill free?	Y	Y	
		Labeled as monomer waste?	Y	Y	
		Record the date on the label of drum:	Date 6/3/09	Date 6-3-09	
		Is the date on the label <45 days:	Y	Y	
		Does Drum need to be changed out?	N	N	
		Free of leaks or evidence of leaking?	Y	Y	
		Free of dents, dings, bulging, creasing, etc?	Y	Y	
		Grounded?	Y	Y	
30	Hazardous Waste **Accumulation Area #8**	Drum Level (1/4, 1/2, etc)	1/2	1/2	
		Drained?	Y	Y	
		Area spill free?	Y	Y	
		Labeled as monomer waste?	Y	Y	
		Record the date on the label of drum:	Date 6/18/09	Date 6-14-09	
		Is the date on the label <45 days:	Y	Y	
		Does Drum need to be changed out?	N	NO	
		Free of leaks or evidence of leaking?	Y	Y	
		Free of dents, dings, bulging, creasing, etc?	Y	Y	
		Grounded?	Y	Y	
31	Hazardous Waste **Accumulation Area #9**	Drum Level (1/4, 1/2, etc)	1/2	1/2	
		Drained?	Y	Y	
		Area spill free?	Y	Y	
		Labeled as monomer waste?	Y	Y	
		Record the date on the label of drum:	Date 6/21/09	Date 6-24-09	
		Is the date on the label <45 days:	Y	Y	
		Does Drum need to be changed out?	N	N	
		Free of leaks or evidence of leaking?	Y	Y	
		Free of dents, dings, bulging, creasing, etc?	Y	Y	
		Grounded?	Y	Y	

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BASF Corporation	Title:	Daily Operations Inspection Sheet	
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Date: 6/29/09 Operator. Initials: [illegible]

#7 OPERATOR

	Item	Check	Days	Nights	Comments
32	Hazardous Waste **Accumulation** Area #4	Drum Level (1/4, 1/2, etc)	1/2	1/3	
		Drained?	Y	YES	
		Area spill free?	Y	YES	
		Labeled as monomer waste?	Y	YES	
		Record the date on the label of drum:	Date 6/29/09	Date 6-29-09	
		Is the date on the label <45 days:	Y	YES	
		Does Drum need to be changed out?	N	YES	CHANGED Drum
		Free of leaks or evidence of leaking?	Y	YES	
		Free of dents, dings, bulging, creasing, etc?	Y	YES	
		Grounded?	Y	YES	
33	Hazardous Waste **Accumulation** Area #5	Drum Level (1/4, 1/2, etc)	1/2	1/3	
		Drained?	Y	Y	
		Area spill free?	Y	Y	
		Labeled as monomer waste?	Y	Y	
		Record the date on the label of drum:	Date 6/12/09	Date 6-30-09	
		Is the date on the label <45 days:	Y	Y	
		Does Drum need to be changed out?	N	NO	
		Free of leaks or evidence of leaking?	Y	Y	
		Free of dents, dings, bulging, creasing, etc?	Y	Y	
		Grounded?	Y	Y	
34	Hazardous Waste Satellite Area #11	Drum Level (1/4, 1/2, etc)	1/2	1/2	
		Drained?	Y	Y	
		Area spill free?	Y	Y	
		Labeled as monomer waste?	Y	Y	
		Changed and dated if full?	N	N	
		Free of leaks or evidence of leaking?	Y	Y	
		Free of dents, dings, bulging, creasing, etc?	Y	Y	
		Grounded?	Y	Y	

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Date: 6/24/09 Operator. Initials: DSW

#7 OPERATOR

	Item	Check	Days	Nights	Comments
35	Containment Tote for Busch Pump Room Floor Drain	Tote empty?	Y	Y	
		If not empty, determine what is inside. If just water from washing Busch pump room, then can empty into trench. If ethylene glycol, used oil, or unknown / unsure, contact Operations Engineer.	N/A	N/A	
		Area spill free?	Y	Y	
		Labeled as wastewater?	Y	Y	
		Free of leaks or evidence of leaking?	Y	Y	
		Free of dents, dings, bulging, creasing, etc?	Y	Y	
36	Satellite Area Supplies	One pallet of new drums available?	N/A	Y	
		Ionol supply adequate?	Y	Y	
				—	
37	No. 7 Rx. Oil seal	Level in sight glass	3/4	3/4	
38	No. 7 Rx. Nitrogen seal	Greater than 100 psig.	104	105	
39	Water flow to: (Flow indicated in sight glass)	No. 7 reactor seal	OK	OK	
		No. 7 Gyrol cooler	OK	OK	
40	-408Water scrubber flow rate. Flow rate of water through T-408 in jet room	Greater than 50 gpm	54.6	57	

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INSPECT LISTED AGITATOR SEALS & PUMP SEALS FOR ANY INDICATION OF LIQUIDS DRIPPING FROM THE SEAL.

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Date: 6/28/09 **Operator. Initials:** [illegible]

#8 OPERATOR

	Item	Check	Days	Nights	Comments
1	Eyewash- Niko Tank	Proper flow, temperature & alarm	N/A		
2	No. 8 Init. Jet decanter	Drained?	N	NO	
3	Purge water under #8 press	Is it ON? (should be OFF if using funda)	OFF	OFF	
4	Eyewash by safety room	Proper flow, temperature & alarm	N/A		
5	Dust collector bag level (%)	Should be < 75% (empty as needed)	N/A	OK	
6	Busch Pump Oil tank	Dike is free of spills. No evidence of any leaks.	Y	OK	
7	No. 2 Plant Warehouse Product and Raw material Drums and Bags in.	Warehouse is free of leaking drums and spilled / torn bags.	Y	OK	
8	#8 Reactor jet decanter level	Report Level Drained (Yes or No)	MT N	MT/N	
9	Vazo Room- Floor is clear of pallets and plastic or other debris.	If NO (Please clean up)	OK	OK	
10	All 5-gal pails in process area correctly labeled	Yes or No (If NO, please label)	N/A	NO	
11	Britesorb Roll Off boxes	Cover closed?	—	Y	
		Sufficient water level in box?	Y	Y	
		Area spill free?	Y	Y	
		Box needs emptying?	Y	Y	
		If < 2 boxes need emptying, report to foreman. (Save waste $$)	N	N	
		Labeled with dated non-hazardous waste label?	Y	OK	
		PH value? (Monday and Thursday only)	N/A	OK	
		Free of leaks or evidence of leaking?	Y	Y	
12	#7 and #8 base charging drain tote	Level of tote/ Emptied Yes or No	2/3 N	1/2 NO	
13	No. 8 Rx. Rupture disc pressure	Should be 0 psig.	0	0	
14	No. 8 Rx seal oil	Level in sight glass	1/2	2/3	
15	No. 8 Rx seal nitrogen	Greater than 100 psig.	109	110	
16	No. 8 Init. seal oil	Level in sight glass	3/4	2/3	
17	No. 8 Init. seal nitrogen	Greater than 110 psig.	114	118	
18	Water flow to:(Flow indicated in sight glass)	No. 8 Init. seals	OK	OK	
		No. 8 Rect. Seals (outlet pipe west side rx)	OK	OK	
		No. 8 Gyrol cooler	OK	OK	
				—	

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Date: 6/29/09

Operator. Initials: DN

#8 OPERATOR

	Item	Check	Days	Nights	Comments
19	Thermal Ox. – Air Monitoring Yokagawa Strip Chart in Control Rm.	Does it have paper?	Y	Y	
		Make sure the power is on.	Y	Y	
		Is Paper Jammed? (Y/N)	N	N	
		Is Start Button Green? (Y/N)	Y	N	
		Results Legible and Clear? (Y/N)	Y	N	
		If Problem, was Maintenance Notified? (Y/N)	N/A	Yes	

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INSPECT LISTED AGITATOR SEALS & PUMP SEALS FOR ANY INDICATION OF LIQUIDS DRIPPING FROM THE SEAL.

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Date: 6/29/09

Operator Initials:

#9 OPERATOR

	Item	Check	Days	Nights	Comments
1	Small Britesorb dump box.	Empty?	Y	Y	
		Free of leaks or evidence of leaking?	ok	ok	
		If box is under funda, Is the lid down?			
		Area is clean and clear of ANY spilled material?	Y	Y	
		Filter cake Under No.8 & 9 Funda & No. 8 Sparkler	Y	N	
2	All 5 gallon pails in process area correctly labeled	Yes or No (If NO, please label)	N/A	ok	
3	#9 Initiator base charging tote	Level of tote/ Emptied Yes or No	N/A N	Y/N	
4	No. 9 Init. jet decanter	Drained?	Y	Y	
5	No. 9 Rx jet decanter	Drained and Purged EACH Shift?	Y	Y	
6	No. 9 Init. Agitator Seal	Level in sight glass	—	Y/N	

Please drain and purge with steam EVERY shift! It is known that polymer will build up in decanter and the sight glass will indicate empty!

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Date: 6/29/09

Operator Initials:

#10 OPERATOR

	Item	Check	Days	Nights	Comments
1	Eyewash Busch building	Proper flow & temperature & alarm	OK	N/A	
2	Busch rupture disc pres.	Should be 0 psig. Enter MJ if disc has failed.	0	N/A	
3	#10 Rx rupture disc pres.	Should be 0 psig. Enter MJ if disc has failed.	0	N/A	
4	#10 Rx Agitator Seal Pres.	Should be 15 psig	18	18	
5	#10 Rx Agitator Seal Level	Should be visible	3/4	18	
6	Eyewash - Deck by VB tank	Proper flow	OK		
7	9 hold agitator	Seal level (1/4,1/2, Full)	—	—	
8	Eyewash by sulfuric acid tank	Proper, flow, temperature & alarm	OK		
9	Eyewash by #9 Init. Charging	Proper flow & temperature & alarm	OK		
10	#9 Trench valve	Should be CLOSED	Y	Y	
11	#10 Trench valve	Should be CLOSED	Y	Y	
12	No 9 Hold Tank pump seal pot pressure	Pressure should be between 200-230 psig	220	210	
13	9 Hold pump	Seal pot level (1/2,1/4,etc.)	3/4	3/4	
14	9 Flash pump	Seal pot level (1/2,1/4,etc.)	3/4	18	
15	No 9 flash tank pump seal pot pressure	Pressure should be between 200-230 psig	172	195	
16	Eyewash by graft pumpout header	Proper flow & temperature & alarm	OK		
17	Eyewash by truck load	Proper flow & temperature & alarm	OK		
18	Eyewash by Tk-526	Proper flow & temperature & alarm	OK		
19	Outlet Temp. on Busch Pumps (Check on Midnights) ***SEE NOTE***	Should be 100-160°F	A 145 B 150	C 140	D 150 E 150 F Locked out
20	Busch pump A in Busch room	Any indication of liquid dripping from seal?	N	NO	
21	Busch pump B in Busch room	Any indication of liquid dripping from seal?			
22	Busch pump C in Busch room	Any indication of liquid dripping from seal?			
23	Busch pump F in Busch room	Any indication of liquid dripping from seal?			
24	Busch pump E in Busch room	Any indication of liquid dripping from seal?			
25	Busch pump D in Busch room	Any indication of liquid dripping from seal?			
26	P-510A monomer mix tank pump	Any indication of liquid dripping from seal?			
27	P-510 mixed monomer tank pump	Any indication of liquid dripping from seal?			

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Date: 6/29/09 **Operator Initials:** [illegible]

#10 OPERATOR

	Item	Check	Days	Nights	Comments
28	P-525	Any indication of liquid dripping from seal?	No	No	
29	P-529	Any indication of liquid dripping from seal?			
30	P-528 CGR Pump	Any indication of liquid dripping from seal?			
31	P-413C recycled monomer pump	Any indication of liquid dripping from seal?			

***If #10RX and PCGR are down leave one busch pump running and shut down the remaining pumps. Rotate that pump to a different pump every four hours.**

REVISIONS

1. Update title and number of document. Deniz Hinz 6/18/08
2. Add Monomer pumps to the inspection sheet for graft Joel Young 6/18/09

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Date: 6/22/09 **Days Operator:** SSS **Supervisor:** _____

Nights Operator: DW **Supervisor:** _____

#7 OPERATOR

	Item	Check	Days	Nights	Comments
1	Emergency radio set on SCAN mode	Should be set on SCAN mode to monitor the Emergency Channel	OK	OK	
2	Emergency radio volume	Volume should be turned on	ON	ON	
3	Confirm that the radios of the Shift Leader and Tank Farm Area Leader are in the SCAN mode.	Should be set on SCAN mode to monitor the Emergency Channel	OK	OK	
4	Control Room pressure	Pressure greater than 0.1"	.06	.06	
5	Air moisture analyser	Record moisture content (Should be less than -90)	-65	-62	
6	Steam pressure	Greater than 105 psig. & stable	122	119	
7	Battery backup for temp. Indicator	Should be 24-30 volts	24.93	25.24	
8	General Monitors-#2 Plant	No alarms/no malfunctions	None	None	
9	Instrument air pressure	90 psig. & stable	96	99	
10	River water pressure	Greater than 65 psig. & stable	73	85	
11	Busch Glycol Storage level	Greater than 50%	59%	59%	
12	Busch Glycol Storage Temp.	Should be > 120 °F	129°	128	
13	TK526 Temp (Mercaptan)	Should be 50-150°F.	117°	118	
14	TDA storage level	Level should be greater than 30,000lbs	MT	N/A	
15	EO Transfer Pump	Using P-101B2? If no report to coordinator	Yes	Y	
16	PO Transfer Pump	Using P-101C2? If no report to coordinator	Yes	Y	
17	Battery backup	Ready light on?	ON	ON	
18	Survive Air packs (Control Room)	Should be two cleaned and available	OK	N/A	
19	TDA recycle	Flowing	N/A	N/A	
20	Eyewash pressure	Greater than 60 psig.	65	OK	
21	TMP recycle	Flowing?	Yes	Y	
22	No 7 jet decanter waste **(Satellite)**	Drained and spill free	No/Yes	No/Yes	
		Labeled as Jet Decanter Waste?	Yes	Yes	
		Full & Dated?	N/A	N/A	
		Grounded?	OK	OK	

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Date: 6/22/09 Operator. Initials: SSS/DCK

#7 OPERATOR

	Item	Check	Days	Nights	Comments
23	Sulfuric Acid Dike	Is the Dike Empty (Y/N)?	No	NO	
		If Not, Did You Empty (Y/N)?	No		
		What Time was Dike Emptied.	N/A	N/A	
		If Yes, What is the pH?			
		If Yes, What is the Color?			
		Qty of Phases in Standing Water Sample?			
24	Eyewash pad by No. 7 RX	Proper flow, temperature & alarm	OK	N/A	
25	#7 & #8 Trench valve	Should be CLOSED	open	open	
26	Dust/Vapor collector drain drum by #7 RX. Emptied? (Yes or No)	Drum level (1/4, ½. Etc.)	N/A	1/2	
27	All 5-gallon pails in process area correctly labeled?	Yes or No (If NO, please label)	N/A	Y	
28	Hazardous Waste **Accumulation Area** #6	Drum Level (1/4, 1/2, etc)	1/2	1/2	
		Drained?	yes	Y	
		Area spill free?	yes	Y	
		Labeled as monomer waste?	yes	Y	
		Record the date on the label of drum:	Date 1/2	Date 6/16	
		Is the date on the label <45 days:	OK	OK	
		Does Drum need to be changed out?	~~OK~~ No	NO	
		Free of leaks or evidence of leaking?	OK	Y	
		Free of dents, dings, bulging, creasing, etc?	OK	Y	
		Grounded?	OK	Y	
	A-405B 7Reactor	Any indication of liquids dripping from seal? (yes or no)	No		

NOTE: FULL DRUMS MUST BE TRANSPORTED TO HAZARDOUS WASTE STORAGE AREA WITHIN 3 DAYS AFTER FILLING (EXCLUDING HOLIDAYS).

BASF Corporation	Title:	Daily Operations Inspection Checklist	
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Date: 6/22/09 Operator. Initials: SSS/ DUK

#7 OPERATOR

	Item	Check	Days	Nights	Comments
	A-405C 8Reactor	Any indication of liquids dripping from seal? (yes or no)	no	NO	
	A-408C 8Initiator	Any indication of liquids dripping from seal? (yes or no)			
	A-530 9Initiator	Any indication of liquids dripping from seal? (yes or no)			
	A-405D 9Reactor	Any indication of liquids dripping from seal? (yes or no)			
	VP-151 vacuum pump near D-151B in jet room	Any indication of liquids dripping from seal? (yes or no)			
	P-151A north of D-151B in jet room	Any indication of liquids dripping from seal? (yes or no)			
	P-405 bottom of TK-405D 9Reactor east of knock-out pot	Any indication of liquids dripping from seal? (yes or no)			
	VP-150 vacuum pump near D-150B in jet room	Any indication of liquids dripping from seal? (yes or no)			
	P-150A west of D-150B in jet room	Any indication of liquids dripping from seal? (yes or no)			
	VP-530D vacuum pump near S-530DB in jet room	Any indication of liquids dripping from seal? (yes or no)			
	P-530DB south of S-530DB in jet room	Any indication of liquids dripping from seal? (yes or no)			
	VP-405D vacuum pump near S-405D in jet room	Any indication of liquids dripping from seal? (yes or no)			
	P-405D south of S-405D in jet room	Any indication of liquids dripping from seal? (yes or no)			
	P-151 west of TK-151 9Reactor vacuum condensate collection tank at ground level	Any indication of liquids dripping from seal? (yes or no)			
	P-153B west of TK-403D scrubber recirculation tank	Any indication of liquids dripping from seal? (yes or no)			
	P-153A west of TK-403D scrubber recirculation tank	Any indication of liquids dripping from seal? (yes or no)	NO	NO	

NOTE: FULL DRUMS MUST BE TRANSPORTED TO HAZARDOUS WASTE STORAGE AREA WITHIN 3 DAYS AFTER FILLING (EXCLUDING HOLIDAYS).

INSPECT LISTED AGITATOR SEALS & PUMP SEALS FOR ANY INDICATION OF LIQUIDS DRIPPING FROM THE SEAL.

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Date: 6/22/05 Operator. Initials: SSS/DLC

#7 OPERATOR

	Item	Check	Days	Nights	Comments
29	Hazardous Waste **Accumulation Area #7**	Drum Level (1/4, 1/2, etc)	MT	1/8	
		Drained?	Yes	Y	
		Area spill free?	Yes	Y	
		Labeled as monomer waste?	Yes	Y	
		Record the date on the label of drum:	Date 6/3	Date 6/3	
		Is the date on the label <45 days:	Yes	Y	
		Does Drum need to be changed out?	No	No	
		Free of leaks or evidence of leaking?	OK	Y	
		Free of dents, dings, bulging, creasing, etc?	OK	Y	
		Grounded?	OK	Y	
30	Hazardous Waste **Accumulation Area #8**	Drum Level (1/4, 1/2, etc)	1/4	1/3	
		Drained?	Yes	Y	
		Area spill free?	Yes	Y	
		Labeled as monomer waste?	Yes	Y	
		Record the date on the label of drum:	Date 6/18	Date 6/18	
		Is the date on the label <45 days:	Yes	Y	
		Does Drum need to be changed out?	No	No	
		Free of leaks or evidence of leaking?	OK	Y	
		Free of dents, dings, bulging, creasing, etc?	OK	Y	
		Grounded?	OK	Y	
31	Hazardous Waste **Accumulation Area #9**	Drum Level (1/4, 1/2, etc)	MT	1/8	
		Drained?	Yes	Y	
		Area spill free?	Yes	Y	
		Labeled as monomer waste?	Yes	Y	
		Record the date on the label of drum:	Date 6/21	Date 6/21	
		Is the date on the label <45 days:	Yes	Y	
		Does Drum need to be changed out?	No	No	
		Free of leaks or evidence of leaking?	OK	Y	
		Free of dents, dings, bulging, creasing, etc?	OK	Y	
		Grounded?	OK	Y	

NOTE: FULL DRUMS MUST BE TRANSPORTED TO HAZARDOUS WASTE STORAGE AREA WITHIN 3 DAYS AFTER FILLING (EXCLUDING HOLIDAYS).

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#7 OPERATOR

	Item	Check	Days	Nights	Comments
32	Hazardous Waste **Accumulation** Area #4	Drum Level (1/4, 1/2, etc)	2/3	2/3	
		Drained?	yes	y	
		Area spill free?	yes	y	
		Labeled as monomer waste?	yes	y	
		Record the date on the label of drum:	Date 6/18	Date 6/18	
		Is the date on the label <45 days:	yes	y	
		Does Drum need to be changed out?	No	No	
		Free of leaks or evidence of leaking?	OK	y	
		Free of dents, dings, bulging, creasing, etc?	OK	y	
		Grounded?	OK	y	
33	Hazardous Waste **Accumulation** Area #5	Drum Level (1/4, 1/2, etc)	1/3	1/2	
		Drained?	yes	y	
		Area spill free?	yes	y	
		Labeled as monomer waste?	yes	y	
		Record the date on the label of drum:	Date 5/18	Date 5/18	
		Is the date on the label <45 days:	yes	y	
		Does Drum need to be changed out?	No	No	
		Free of leaks or evidence of leaking?	OK	y	
		Free of dents, dings, bulging, creasing, etc?	OK	y	
		Grounded?	OK	y	
34	Hazardous Waste Satellite Area #11	Drum Level (1/4, 1/2, etc)	2/3	2/3	
		Drained?	yes	y	
		Area spill free?	yes	y	
		Labeled as monomer waste?	yes	y	
		Changed and dated if full?	N/A	N/A	
		Free of leaks or evidence of leaking?	OK	y	
		Free of dents, dings, bulging, creasing, etc?	OK	y	
		Grounded?	OK	y	

NOTE: FULL DRUMS MUST BE TRANSPORTED TO HAZARDOUS WASTE STORAGE AREA WITHIN 3 DAYS AFTER FILLING (EXCLUDING HOLIDAYS).

Date: 6/22/09 Operator. Initials: SSS/DLK

#7 OPERATOR

	Item	Check	Days	Nights	Comments
35	Containment Tote for Busch Pump Room Floor Drain	Tote empty?	Y	Y	
		If not empty, determine what is inside. If just water from washing Busch pump room, then can empty into trench. If ethylene glycol, used oil, or unknown / unsure, contact Operations Engineer.	N/A	N/A	
		Area spill free?	OK	OK	
		Labeled as wastewater?	OK	OK	
		Free of leaks or evidence of leaking?	OK	OK	
		Free of dents, dings, bulging, creasing, etc?	OK	OK	
36	Satellite Area Supplies	One pallet of new drums available?	N/A	OK	
		Ionol supply adequate?	OK	OK	
			—	—	
37	No. 7 Rx. Oil seal	Level in sight glass	7/8	7/8	
38	No. 7 Rx. Nitrogen seal	Greater than 100 psig.	110	110	
39	Water flow to: (Flow indicated in sight glass)	No. 7 reactor seal	OK	OK	
		No. 7 Gyrol cooler	OK	OK	
40	-408Water scrubber flow rate. Flow rate of water through T-408 in jet room	Greater than 50 gpm	51.4	48.4	

NOTE: FULL DRUMS MUST BE TRANSPORTED TO HAZARDOUS WASTE STORAGE AREA WITHIN 3 DAYS AFTER FILLING (EXCLUDING HOLIDAYS).

INSPECT LISTED AGITATOR SEALS & PUMP SEALS FOR ANY INDICATION OF LIQUIDS DRIPPING FROM THE SEAL.

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NOTE: MANY ITEMS ON THIS CHECKLIST ARE LEGAL REQUIREMENTS. IT IS MANDATORY THAT THIS CHECKLIST IS FILLED OUT COMPLETELY, AND RETURNED TO THE OPERATIONS SUPERVISOR FOR FILING. RECORDS ARE KEPT FOR 5 YEARS.

Date: 6/22/09 Operator. Initials: SSB / DLK

#8 OPERATOR

	Item	Check	Days	Nights	Comments
1	Eyewash- Niko Tank	Proper flow, temperature & alarm	N/A	OK	
2	No. 8 Init. Jet decanter	Drained?	No	NO	
3	Purge water under #8 press	Is it ON? (should be OFF if using funda)	OFF	OFF	
4	Eyewash by safety room	Proper flow, temperature & alarm	N/A	OK	
5	Dust collector bag level (%)	Should be < 75% (empty as needed)	N/A	OK	
6	Busch Pump Oil tank	Dike is free of spills. No evidence of any leaks.	OK	OK	
7	No. 2 Plant Warehouse Product and Raw material Drums and Bags in.	Warehouse is free of leaking drums and spilled / torn bags.	OK	OK	
8	#8 Reactor jet decanter level	Report Level Drained (Yes or No)	1/3 No	1/3 NO	
9	Vazo Room- Floor is clear of pallets and plastic or other debris.	If NO (Please clean up)	OK	OK	
10	All 5-gal pails in process area correctly labeled	Yes or No (If NO, please label)	N/A	OK	
11	Britesorb Roll Off boxes	Cover closed?	NO	NO	
		Sufficient water level in box?	OK	OK	
		Area spill free?	NO	NO	
		Box needs emptying?	N/A	—	
		If < 2 boxes need emptying, report to foreman. (Save waste $$)	OK	OK	
		Labeled with dated non-hazardous waste label?	OK	OK	
		PH value? (Monday and Thursday only)	N/A	N/A	
		Free of leaks or evidence of leaking?	OK	OK	
12	#7 and #8 base charging drain tote	Level of tote/ Emptied Yes or No	1/2 No	1/2 NO	
13	No. 8 Rx. Rupture disc pressure	Should be 0 psig.	Ø	Ø	
14	No. 8 Rx seal oil	Level in sight glass	5/8	5/8	
15	No. 8 Rx seal nitrogen	Greater than 100 psig.	105	106	
16	No. 8 Init. seal oil	Level in sight glass	1/4	1/4	
17	No. 8 Init. seal nitrogen	Greater than 110 psig.	118	118	
18	Water flow to:(Flow indicated in sight glass)	No. 8 Init. seals	OK	OK	
		No. 8 Rect. Seals (outlet pipe west side rx)	OK	OK	
		No. 8 Gyrol cooler	OK	OK	
			—		

NOTE: FULL DRUMS MUST BE TRANSPORTED TO HAZARDOUS WASTE STORAGE AREA WITHIN 3 DAYS AFTER FILLING (EXCLUDING HOLIDAYS).

INSPECT LISTED AGITATOR SEALS & PUMP SEALS FOR ANY INDICATION OF LIQUIDS DRIPPING FROM THE SEAL.

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NOTE: MANY ITEMS ON THIS CHECKLIST ARE LEGAL REQUIREMENTS. IT IS MANDATORY THAT THIS CHECKLIST IS FILLED OUT COMPLETELY, AND RETURNED TO THE OPERATIONS SUPERVISOR FOR FILING. RECORDS ARE KEPT FOR 5 YEARS.

Date: 6/22/09 **Operator. Initials:** SSS/DCK

#8 OPERATOR

	Item	Check	Days	Nights	Comments
19	Thermal Ox. – Air Monitoring Yokagawa Strip Chart in Control Rm.	Does it have paper?	Yes	Y	
		Make sure the power is on.	ON	ON	
		Is Paper Jammed? (Y/N)	NO	NO	
		Is Start Button Green? (Y/N)	Yes	Y	
		Results Legible and Clear? (Y/N)	Yes	Y	
		If Problem, was Maintenance Notified? (Y/N)	N/A	N/A	
			—		

NOTE: FULL DRUMS MUST BE TRANSPORTED TO HAZARDOUS WASTE STORAGE AREA WITHIN 3 DAYS AFTER FILLING (EXCLUDING HOLIDAYS).

INSPECT LISTED AGITATOR SEALS & PUMP SEALS FOR ANY INDICATION OF LIQUIDS DRIPPING FROM THE SEAL.

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Date: 6/22/09 Operator Initials: SSS / DLK

#9 OPERATOR

	Item	Check	Days	Nights	Comments
1	Small Britesorb dump box.	Empty?	OK	OK	
		Free of leaks or evidence of leaking?	OK	OK	
		If box is under funda, Is the lid down?	—	—	
		Area is clean and clear of ANY spilled material?	OK	OK	
		Filter cake Under No.8 & 9 Funda & No. 8 Sparkler	OK	OK	
2	All 5 gallon pails in process area correctly labeled	Yes or No (If NO, please label)	N/A	OK	
3	#9 Initiator base charging tote	Level of tote/ Emptied Yes or No	2/3	2/3	
4	No. 9 Init. jet decanter	Drained?	NO	NO	
5	No. 9 Rx jet decanter	Drained and Purged EACH Shift?	NO	NO	
6	No. 9 Init. Agitator Seal	Level in sight glass	2/3	2/3	

Please drain and purge with steam EVERY shift! It is known that polymer will build up in decanter and the sight glass will indicate empty!

NOTE: FULL DRUMS MUST BE TRANSPORTED TO HAZARDOUS WASTE STORAGE AREA WITHIN 3 DAYS AFTER FILLING (EXCLUDING HOLIDAYS).

INSPECT LISTED AGITATOR SEALS & PUMP SEALS FOR ANY INDICATION OF LIQUIDS DRIPPING FROM THE SEAL.

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Date: 6/22/02 Operator Initials: SSS/DLE

#10 OPERATOR

	Item	Check	Days	Nights	Comments
1	Eyewash Busch building	Proper flow & temperature & alarm	OK	N/A	
2	Busch rupture disc pres.	Should be 0 psig. Enter MJ if disc has failed.	Ø	N/A	
3	#10 Rx rupture disc pres.	Should be 0 psig. Enter MJ if disc has failed.	Ø	N/A	
4	#10 Rx Agitator Seal Pres.	Should be 15 psig	16	16	
5	#10 Rx Agitator Seal Level	Should be visible	7/8	7/8	
6	Eyewash - Deck by VB tank	Proper flow	OK	OK	
7	9 hold agitator	Seal level (1/4,1/2, Full)	—	—	
8	Eyewash by sulfuric acid tank	Proper, flow, temperature & alarm	OK	OK	
9	Eyewash by #9 Init. Charging	Proper flow & temperature & alarm	OK	OK	
10	#9 Trench valve	Should be CLOSED	Closed	C	
11	#10 Trench valve	Should be CLOSED	Closed	C	
12	No 9 Hold Tank pump seal pot pressure	Pressure should be between 200-230 psig	225	220	
13	9 Hold pump	Seal pot level (1/2,1/4,etc.)	7/8	7/8	
14	9 Flash pump	Seal pot level (1/2,1/4,etc.)	7/8	7/8	
15	No 9 flash tank pump seal pot pressure	Pressure should be between 200-230 psig	200	190	
16	Eyewash by graft pumpout header	Proper flow & temperature & alarm	OK	OK	
17	Eyewash by truck load	Proper flow & temperature & alarm	OK	OK	
18	Eyewash by Tk-526	Proper flow & temperature & alarm	OK	OK	
19	Outlet Temp. on Busch Pumps (Check on Midnights) ***SEE NOTE***	Should be 100-160°F	A 145 B 150	C 150	D 155 E 160 F Check out
20	Busch pump A in Busch room	Any indication of liquid dripping from seal?	NO		
21	Busch pump B in Busch room	Any indication of liquid dripping from seal?			
22	Busch pump C in Busch room	Any indication of liquid dripping from seal?			
23	Busch pump F in Busch room	Any indication of liquid dripping from seal?			
24	Busch pump E in Busch room	Any indication of liquid dripping from seal?			
25	Busch pump D in Busch room	Any indication of liquid dripping from seal?			
26	P-510A monomer mix tank pump	Any indication of liquid dripping from seal?			
27	P-510 mixed monomer tank pump	Any indication of liquid dripping from seal?	NO		

NOTE: FULL DRUMS MUST BE TRANSPORTED TO HAZARDOUS WASTE STORAGE AREA WITHIN 3 DAYS AFTER FILLING (EXCLUDING HOLIDAYS).

INSPECT LISTED AGITATOR SEALS & PUMP SEALS FOR ANY INDICATION OF LIQUIDS DRIPPING FROM THE SEAL.

NOTE: MANY ITEMS ON THIS CHECKLIST ARE LEGAL REQUIREMENTS. IT IS MANDATORY THAT THIS CHECKLIST IS FILLED OUT COMPLETELY, AND RETURNED TO THE OPERATIONS SUPERVISOR FOR FILING. RECORDS ARE KEPT FOR 5 YEARS.

Date: 6/22/09 Operator Initials: SSS/DLR

#10 OPERATOR

	Item	Check	Days	Nights	Comments
28	P-525	Any indication of liquid dripping from seal?	No	NO	
29	P-529	Any indication of liquid dripping from seal?			
30	P-528 CGR Pump	Any indication of liquid dripping from seal?			
31	P-413C recycled monomer pump	Any indication of liquid dripping from seal?	NO	NO	

***If #10RX and PCGR are down leave one busch pump running and shut down the remaining pumps. Rotate that pump to a different pump every four hours.**

REVISIONS

1. Update title and number of document. Deniz Hinz 6/18/08
2. Add Monomer pumps to the inspection sheet for graft Joel Young 6/18/09

NOTE: FULL DRUMS MUST BE TRANSPORTED TO HAZARDOUS WASTE STORAGE AREA WITHIN 3 DAYS AFTER FILLING (EXCLUDING HOLIDAYS).

INSPECT LISTED AGITATOR SEALS & PUMP SEALS FOR ANY INDICATION OF LIQUIDS DRIPPING FROM THE SEAL.

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NOTE: MANY ITEMS ON THIS CHECKLIST ARE LEGAL REQUIREMENTS. IT IS MANDATORY THAT THIS CHECKLIST IS FILLED OUT COMPLETELY, AND RETURNED TO THE OPERATIONS SUPERVISOR FOR FILING. RECORDS ARE KEPT FOR 7 YEARS.

Date: 6/15/09 **Days Operator:** SSS **Supervisor:**_____

Nights Operator: DLK **Supervisor:**_____

#7 OPERATOR

	Item	Check	Days	Nights	Comments
1	Emergency radio set on SCAN mode	Should be set on SCAN mode to monitor the Emergency Channel	OK	OK	
2	Emergency radio volume	Volume should be turned on	ON	ON	
3	Confirm that the radios of the Shift Leader and Tank Farm Area Leader are in the SCAN mode.	Should be set on SCAN mode to monitor the Emergency Channel	OK	OK	
4	Control Room pressure	Pressure greater than 0.1"	.06	.06	
5	Air moisture analyser	Record moisture content (Should be less than -90)	-70	-68	
6	Steam pressure	Greater than 105 psig. & stable	121	118	
7	Battery backup for temp. Indicator	Should be 24-30 volts	25.05	25.25	
8	General Monitors #2 Plant	No alarms/no malfunctions	None	NONE	
9	Instrument air pressure	90 psig. & stable	101	95	
10	River water pressure	Greater than 65 psig. & stable	78	77	
11	Busch Glycol Storage level	Greater than 50%	65%	65%	
12	Busch Glycol Storage Temp.	Should be > 120 °F	128	128	
13	TK526 Temp (Mercaptan)	Should be 50-150°F.	114	116	
14	TDA storage level	Level should be greater than 30,000lbs	MT	N/A	
15	EO Transfer Pump	Using P-101B2? If no report to coordinator	yes	Y	
16	PO Transfer Pump	Using P-101C2? If no report to coordinator	yes	Y	
17	Battery backup	Ready light on?	ON	ON	
18	Survive Air packs (Control Room)	Should be two cleaned and available	OK	N/A	
19	TDA recycle	Flowing	N/A	N/A	
20	Eyewash pressure	Greater than 60 psig.	62	OK	
21	TMP recycle	Flowing?	yes	Y	
22	No 7 jet decanter waste **(Satellite)**	Drained and spill free	No/yes	No/yes	
		Labeled as Jet Decanter Waste?	yes	Y	
		Full & Dated?	N/A	N/A	
		Grounded?	OK	OK	

NOTE: FULL DRUMS MUST BE TRANSPORTED TO HAZARDOUS WASTE STORAGE AREA WITHIN 3 DAYS AFTER FILLING (EXCLUDING HOLIDAYS).

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Date: 6/15/07 Operator. Initials: SSS/DLK

#7 OPERATOR

	Item	Check	Days	Nights	Comments
23	Sulfuric Acid Dike	Is the Dike Empty (Y/N)?	No	NO	
		If Not, Did You Empty (Y/N)?	No		
		What Time was Dike Emptied	N/A	N/A	
		If Yes, What is the pH?			
		If Yes, What is the Color?			
		Qty of Phases in Standing Water Sample?			
24	Eyewash pad by No. 7 RX	Proper flow, temperature & alarm		N/A	
25	#7 & #8 Trench valve	Should be CLOSED	open	open	
26	Dust/Vapor collector drain drum by #7 RX. Emptied? (Yes or No)	Drum level (1/4, ½. Etc.)	N/A	OK	
27	All 5-gallon pails in process area correctly labeled?	Yes or No (If NO, please label)	N/A	OK	
28	Hazardous Waste **Accumulation Area #6**	Drum Level (1/4, 1/2, etc)	1/2	1/2	
		Drained?	yes	y	
		Area spill free?	yes	y	
		Labeled as monomer waste?	yes	y	
		Record the date on the label of drum:	Date 6/1/07	Date 6-1-9	
		Is the date on the label <45 days:	yes	y	
		Does Drum need to be changed out?	No	NO	
		Free of leaks or evidence of leaking?	OK	OK	
		Free of dents, dings, bulging, creasing, etc?	OK	OK	
		Grounded?	OK	OK	
	A-405B 7Reactor	Any indication of liquids dripping from seal? (yes or no)	NO		

NOTE: FULL DRUMS MUST BE TRANSPORTED TO HAZARDOUS WASTE STORAGE AREA WITHIN 3 DAYS AFTER FILLING (EXCLUDING HOLIDAYS).

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Date: 6/15/09 Operator. Initials: SSS/DLK

#7 OPERATOR

	Item	Check	Days	Nights	Comments
	A-405C 8Reactor	Any indication of liquids dripping from seal? (yes or no)	NO	NO	
	A-408C 8Initiator	Any indication of liquids dripping from seal? (yes or no)			
	A-530 9Initiator	Any indication of liquids dripping from seal? (yes or no)			
	A-405D 9Reactor	Any indication of liquids dripping from seal? (yes or no)			
	VP-151 vacuum pump near D-151B in jet room	Any indication of liquids dripping from seal? (yes or no)			
	P-151A north of D-151B in jet room	Any indication of liquids dripping from seal? (yes or no)			
	P-405 bottom of TK-405D 9Reactor east of knock-out pot	Any indication of liquids dripping from seal? (yes or no)			
	VP-150 vacuum pump near D-150B in jet room	Any indication of liquids dripping from seal? (yes or no)			
	P-150A west of D-150B in jet room	Any indication of liquids dripping from seal? (yes or no)			
	VP-530D vacuum pump near S-530DB in jet room	Any indication of liquids dripping from seal? (yes or no)			
	P-530DB south of S-530DB in jet room	Any indication of liquids dripping from seal? (yes or no)			
	VP-405D vacuum pump near S-405D in jet room	Any indication of liquids dripping from seal? (yes or no)			
	P-405D south of S-405D in jet room	Any indication of liquids dripping from seal? (yes or no)			
	P-151 west of TK-151 9Reactor vacuum condensate collection tank at ground level	Any indication of liquids dripping from seal? (yes or no)			
	P-153B west of TK-403D scrubber recirculation tank	Any indication of liquids dripping from seal? (yes or no)			
	P-153A west of TK-403D scrubber recirculation tank	Any indication of liquids dripping from seal? (yes or no)		NO	

NOTE: FULL DRUMS MUST BE TRANSPORTED TO HAZARDOUS WASTE STORAGE AREA WITHIN 3 DAYS AFTER FILLING (EXCLUDING HOLIDAYS).

INSPECT LISTED AGITATOR SEALS & PUMP SEALS FOR ANY INDICATION OF LIQUIDS DRIPPING FROM THE SEAL.

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Date: 6/15/09 Operator. Initials: SSS/DLK

#7 OPERATOR

	Item	Check	Days	Nights	Comments
29	Hazardous Waste **Accumulation Area #7**	Drum Level (1/4, 1/2, etc)	mT	1/8	
		Drained?	yes	y	
		Area spill free?	yes	y	
		Labeled as monomer waste?	yes	y	
		Record the date on the label of drum:	Date 6/3/09	Date 6-3-9	
		Is the date on the label <45 days:	yes	y	
		Does Drum need to be changed out?	No	No	
		Free of leaks or evidence of leaking?	OK	OK	
		Free of dents, dings, bulging, creasing, etc?	OK	OK	
		Grounded?	OK	OK	
30	Hazardous Waste **Accumulation Area #8**	Drum Level (1/4, 1/2, etc)	1/3	1/3	
		Drained?	yes	y	
		Area spill free?	yes	y	
		Labeled as monomer waste?	yes	y	
		Record the date on the label of drum:	Date 5/27/09	Date 5-27-9	
		Is the date on the label <45 days:	yes	y	
		Does Drum need to be changed out?	No	No	
		Free of leaks or evidence of leaking?	OK	Y	
		Free of dents, dings, bulging, creasing, etc?	OK	y	
		Grounded?	OK	y	
31	Hazardous Waste **Accumulation Area #9**	Drum Level (1/4, 1/2, etc)	1/3	1/3	
		Drained?	yes	y	
		Area spill free?	yes	y	
		Labeled as monomer waste?	yes	y	
		Record the date on the label of drum:	Date 1/3	Date 5-19-9	
		Is the date on the label <45 days:	yes	y	
		Does Drum need to be changed out?	No	NO	
		Free of leaks or evidence of leaking?	OK	y	
		Free of dents, dings, bulging, creasing, etc?	OK	y	
		Grounded?	OK	y	

NOTE: FULL DRUMS MUST BE TRANSPORTED TO HAZARDOUS WASTE STORAGE AREA WITHIN 3 DAYS AFTER FILLING (EXCLUDING HOLIDAYS).

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Date: 6/15/09 Operator. Initials: SSS/DEK

#7 OPERATOR

	Item	Check	Days	Nights	Comments
32	Hazardous Waste **Accumulation** Area #4	Drum Level (1/4, 1/2, etc)	1/3	1/2	
		Drained?	yes	y	
		Area spill free?	yes	y	
		Labeled as monomer waste?	yes	y	
		Record the date on the label of drum:	Date 6/13	Date 6-13-9	
		Is the date on the label <45 days:	yes	y	
		Does Drum need to be changed out?	No	no	
		Free of leaks or evidence of leaking?	OK	y	
		Free of dents, dings, bulging, creasing, etc?	OK	y	
		Grounded?	OK	y	
33	Hazardous Waste **Accumulation** Area #5	Drum Level (1/4, 1/2, etc)	1/3	1/2	
		Drained?	yes	y	
		Area spill free?	yes	y	
		Labeled as monomer waste?	yes	y	
		Record the date on the label of drum:	Date 5/18	Date 5-16-9	
		Is the date on the label <45 days:	yes	y	
		Does Drum need to be changed out?	no	no	
		Free of leaks or evidence of leaking?	OK	y	
		Free of dents, dings, bulging, creasing, etc?	OK	y	
		Grounded?	OK	y	
34	Hazardous Waste Satellite Area #11	Drum Level (1/4, 1/2, etc)	1/3	1/2	
		Drained?	yes	y	
		Area spill free?	yes	y	
		Labeled as monomer waste?	yes	y	
		Changed and dated if full?	No	no	
		Free of leaks or evidence of leaking?	OK	y	
		Free of dents, dings, bulging, creasing, etc?	OK	y	
		Grounded?	OK	y	

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Date: 6/15/09 Operator. Initials: SSS/DLK

#7 OPERATOR

	Item	Check	Days	Nights	Comments
35	Containment Tote for Busch Pump Room Floor Drain	Tote empty?	yes	y	
		If not empty, determine what is inside. If just water from washing Busch pump room, then can empty into trench. If ethylene glycol, used oil, or unknown / unsure, contact Operations Engineer.	N/A	N/A	
		Area spill free?	OK	OK	
		Labeled as wastewater?	OK	OK	
		Free of leaks or evidence of leaking?	OK	OK	
		Free of dents, dings, bulging, creasing, etc?	OK	OK	
36	Satellite Area Supplies	One pallet of new drums available?	N/A	OK	
		Ionol supply adequate?	OK	OK	
			—	—	
37	No. 7 Rx. Oil seal	Level in sight glass	7/8	7/8	
38	No. 7 Rx. Nitrogen seal	Greater than 100 psig.	110	110	
39	Water flow to: (Flow indicated in sight glass)	No. 7 reactor seal	OK	OK	
		No. 7 Gyrol cooler	OK	OK	
40	-408Water scrubber flow rate. Flow rate of water through T-408 in jet room	Greater than 50 gpm	56.1	58.7	

NOTE: FULL DRUMS MUST BE TRANSPORTED TO HAZARDOUS WASTE STORAGE AREA WITHIN 3 DAYS AFTER FILLING (EXCLUDING HOLIDAYS).

INSPECT LISTED AGITATOR SEALS & PUMP SEALS FOR ANY INDICATION OF LIQUIDS DRIPPING FROM THE SEAL.

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NOTE: MANY ITEMS ON THIS CHECKLIST ARE LEGAL REQUIREMENTS. IT IS MANDATORY THAT THIS CHECKLIST IS FILLED OUT COMPLETELY, AND RETURNED TO THE OPERATIONS SUPERVISOR FOR FILING. RECORDS ARE KEPT FOR 5 YEARS.

Date: 6/15/09 Operator. Initials: SSS/DUR

#8 OPERATOR

	Item	Check	Days	Nights	Comments
1	Eyewash- Niko Tank	Proper flow, temperature & alarm	N/A	OK	
2	No. 8 Init. Jet decanter	Drained?	NO	NO	
3	Purge water under #8 press	Is it ON? (should be OFF if using funda)	OFF	OFF	
4	Eyewash by safety room	Proper flow, temperature & alarm	N/A	OK	
5	Dust collector bag level (%)	Should be < 75% (empty as needed)	N/A	OK	
6	Busch Pump Oil tank	Dike is free of spills. No evidence of any leaks.	OK	OK	
7	No. 2 Plant Warehouse Product and Raw material Drums and Bags in.	Warehouse is free of leaking drums and spilled / torn bags.	OK	OK	
8	#8 Reactor jet decanter level	Report Level Drained (Yes or No)	1/3 NO	1/2 NO	
9	Vazo Room- Floor is clear of pallets and plastic or other debris.	If NO (Please clean up)	OK	OK	
10	All 5-gal pails in process area correctly labeled	Yes or No (If NO, please label)	N/A	OK	
11	Britesorb Roll Off boxes	Cover closed?	NO	NO	
		Sufficient water level in box?	OK	OK	
		Area spill free?	OK	OK	
		Box needs emptying?	NO	NO	
		If < 2 boxes need emptying, report to foreman. (Save waste $$)	N/A	N/A	
		Labeled with dated non-hazardous waste label?	OK	OK	
		PH value? (Monday and Thursday only)	N/A	N/A	
		Free of leaks or evidence of leaking?	OK	OK	
12	#7 and #8 base charging drain tote	Level of tote/ Emptied Yes or No	1/2	1/2	
13	No. 8 Rx. Rupture disc pressure	Should be 0 psig.	Ø	Ø	
14	No. 8 Rx seal oil	Level in sight glass	5/8	5/8	
15	No. 8 Rx seal nitrogen	Greater than 100 psig.	105	106	
16	No. 8 Init. seal oil	Level in sight glass	1/3	1/3	
17	No. 8 Init. seal nitrogen	Greater than 110 psig.	118	118	
18	Water flow to:(Flow indicated in sight glass)	No. 8 Init. seals	OK	OK	
		No. 8 Rect. Seals (outlet pipe west side rx)	OK	OK	
		No. 8 Gyrol cooler	OK	OK	

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INSPECT LISTED AGITATOR SEALS & PUMP SEALS FOR ANY INDICATION OF LIQUIDS DRIPPING FROM THE SEAL.

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Date: 6/15/09 **Operator. Initials:** SSS/ DCK

#8 OPERATOR

	Item	Check	Days	Nights	Comments
19	Thermal Ox. – Air Monitoring Yokagawa Strip Chart in Control Rm.	Does it have paper?	yes	y	
		Make sure the power is on.	on	on	
		Is Paper Jammed? (Y/N)	no	no	
		Is Start Button Green? (Y/N)	yes	y	
		Results Legible and Clear? (Y/N)	yes	y	
		If Problem, was Maintenance Notified? (Y/N)	N/A	N/A	
			—		

NOTE: FULL DRUMS MUST BE TRANSPORTED TO HAZARDOUS WASTE STORAGE AREA WITHIN 3 DAYS AFTER FILLING (EXCLUDING HOLIDAYS).

INSPECT LISTED AGITATOR SEALS & PUMP SEALS FOR ANY INDICATION OF LIQUIDS DRIPPING FROM THE SEAL.

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Operator Initials: SSS/ DUL

#9 OPERATOR

	Item	Check	Days	Nights	Comments
1	Small Britesorb dump box.	Empty?	OK	OK	
		Free of leaks or evidence of leaking?	OK	OK	
		If box is under funda, Is the lid down?	NO	NO	
		Area is clean and clear of ANY spilled material?	OK	OK	
		Filter cake Under No.8 & 9 Funda & No. 8 Sparkler	OK	OK	
2	All 5 gallon pails in process area correctly labeled	Yes or No (If NO, please label)	N/A	OK	
3	#9 Initiator base charging tote	Level of tote/ Emptied Yes or No	2/3	2/3	
4	No. 9 Init. jet decanter	Drained?	NO	NO	
5	No. 9 Rx jet decanter	Drained and Purged EACH Shift?	NO	NO	
6	No. 9 Init. Agitator Seal	Level in sight glass	3/4	OK	

Please drain and purge with steam EVERY shift! It is known that polymer will build up in decanter and the sight glass will indicate empty!

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INSPECT LISTED AGITATOR SEALS & PUMP SEALS FOR ANY INDICATION OF LIQUIDS DRIPPING FROM THE SEAL.

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Date: 6/15/09 **Operator Initials:** SSS/DLK

#10 OPERATOR

	Item	Check	Days	Nights	Comments
1	Eyewash Busch building	Proper flow & temperature & alarm		N/A	
2	Busch rupture disc pres.	Should be 0 psig. Enter MJ if disc has failed.		N/A	
3	#10 Rx rupture disc pres.	Should be 0 psig. Enter MJ if disc has failed.		N/A	
4	#10 Rx Agitator Seal Pres.	Should be 15 psig		16	
5	#10 Rx Agitator Seal Level	Should be visible		7/8	
6	Eyewash - Deck by VB tank	Proper flow		OK	
7	9 hold agitator	Seal level (1/4,1/2, Full)		-	
8	Eyewash by sulfuric acid tank	Proper, flow, temperature & alarm		OK	
9	Eyewash by #9 Init. Charging	Proper flow & temperature & alarm		OK	
10	#9 Trench valve	Should be CLOSED		C	
11	#10 Trench valve	Should be CLOSED		C	
12	No. 9 Hold Tank pump seal pot pressure	Pressure should be between 200-230 psig		210	
13	9 Hold pump	Seal pot level (1/2,1/4,etc.)		7/8	
14	9 Flash pump	Seal pot level (1/2,1/4,etc.)		7/8	
15	No 9 flash tank pump seal pot pressure	Pressure should be between 200-230 psig		190	
16	Eyewash by graft pumpout header	Proper flow & temperature & alarm		OK	
17	Eyewash by truck load	Proper flow & temperature & alarm		OK	
18	Eyewash by Tk-526	Proper flow & temperature & alarm		OK	
19	Outlet Temp. on Busch Pumps (Check on Midnights) ***SEE NOTE***	Should be 100-160°F	A 148 B 152	C 150	D 155 E 160 Flock out
20	Busch pump A in Busch room	Any indication of liquid dripping from seal?		NO	
21	Busch pump B in Busch room	Any indication of liquid dripping from seal?			
22	Busch pump C in Busch room	Any indication of liquid dripping from seal?			
23	Busch pump F in Busch room	Any indication of liquid dripping from seal?			
24	Busch pump E in Busch room	Any indication of liquid dripping from seal?			
25	Busch pump D in Busch room	Any indication of liquid dripping from seal?			
26	P-510A monomer mix tank pump	Any indication of liquid dripping from seal?			
27	P-510 mixed monomer tank pump	Any indication of liquid dripping from seal?		NO	

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Date: 6/15/09 Operator Initials: SSS/DHL

#10 OPERATOR

	Item	Check	Days	Nights	Comments
28	P-525	Any indication of liquid dripping from seal?		NO	
29	P-529	Any indication of liquid dripping from seal?			
30	P-528 CGR Pump	Any indication of liquid dripping from seal?			
31	P-413C recycled monomer pump	Any indication of liquid dripping from seal?		NO	

***If #10RX and PCGR are down leave one busch pump running and shut down the remaining pumps. Rotate that pump to a different pump every four hours.**

REVISIONS

1. Update title and number of document. Deniz Hinz 6/18/08
2. Add Monomer pumps to the inspection sheet for graft Joel Young 6/18/09

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NOTE: MANY ITEMS ON THIS CHECKLIST ARE LEGAL REQUIREMENTS. IT IS MANDATORY THAT THIS CHECKLIST IS FILLED OUT COMPLETELY, AND RETURNED TO THE OPERATIONS SUPERVISOR FOR FILING. RECORDS ARE KEPT FOR 7 YEARS.

Date: 6/29 **Days Operator:** _____ **Supervisor:** _____

Nights Operator: DE **Supervisor:** _____

#7 OPERATOR

	Item	Check	Days	Nights	Comments
1	Emergency radio set on SCAN mode	Should be set on SCAN mode to monitor the Emergency Channel		ON	
2	Emergency radio volume	Volume should be turned on		ON	
3	Confirm that the radios of the Shift Leader and Tank Farm Area Leader are in the SCAN mode.	Should be set on SCAN mode to monitor the Emergency Channel		OK	
4	Control Room pressure	Pressure greater than 0.1"		.05	
5	Air moisture analyser	Record moisture content (Should be less than -90)		-68	
6	Steam pressure	Greater than 105 psig. & stable		1	
7	Battery backup for temp. Indicator	Should be 24-30 volts		25.2	
8	General Monitors-#2 Plant	No alarms/no malfunctions		None	
9	Instrument air pressure	90 psig. & stable		121	
10	River water pressure	Greater than 65 psig. & stable		77	
11	Busch Glycol Storage level	Greater than 50%		60	
12	Busch Glycol Storage Temp.	Should be > 120 °F		130	
13	TK526 Temp (Mercaptan)	Should be 50-150°F.		118	
14	TDA storage level	Level should be greater than 30,000lbs		N/A	
15	EO Transfer Pump	Using P-101B2? If no report to coordinator		Y	
16	PO Transfer Pump	Using P-101C2? If no report to coordinator		Y	
17	Battery backup	Ready light on?		ON	
18	Survive Air packs (Control Room)	Should be two cleaned and available		N/A	
19	TDA recycle	Flowing		NO	
20	Eyewash pressure	Greater than 60 psig.		65	
21	TMP recycle	Flowing?		YES	
22	No 7 jet decanter waste **(Satellite)**	Drained and spill free		NO/YES	
		Labeled as Jet Decanter Waste?		YES	
		Full & Dated?		N/A	
		Grounded?		Y	

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#7 OPERATOR

	Item	Check	Days	Nights	Comments
23	Sulfuric Acid Dike	Is the Dike Empty (Y/N)?		N	
		If Not, Did You Empty (Y/N)?		N	
		What Time was Dike Emptied		N/A	
		If Yes, What is the pH?		N/A	
		If Yes, What is the Color?		N/A	
		Qty of Phases in Standing Water Sample?		N/A	
24	Eyewash pad by No. 7 RX	Proper flow, temperature & alarm		N/A	
25	#7 & #8 Trench valve	Should be CLOSED		C	
26	Dust/Vapor collector drain drum by #7 RX. Emptied? (Yes or No)	Drum level (1/4, ½. Etc.)	N/A	1/3/NO	
27	All 5-gallon pails in process area correctly labeled?	Yes or No (If NO, please label)	N/A	O/C	
28	Hazardous Waste **Accumulation Area** #6	Drum Level (1/4, 1/2, etc)		MT	
		Drained?		Y	
		Area spill free?		Y	
		Labeled as monomer waste?		Y	
		Record the date on the label of drum:	Date	Date 6-1-09	
		Is the date on the label <45 days:		Y	
		Does Drum need to be changed out?		NO	"changed"
		Free of leaks or evidence of leaking?		Y	
		Free of dents, dings, bulging, creasing, etc?		Y	
		Grounded?		Y	

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#7 OPERATOR

	Item	Check	Days	Nights	Comments
	A-405B 7Reactor	Any indication of liquids dripping from seal? (yes or no)		NO	
29	VP-151 vacuum pump near D-151B in jet room	Any indication of liquids dripping from seal? (yes or no)		NO	
30	P-151A north of D-151B in jet room	Any indication of liquids dripping from seal? (yes or no)		NO	
31	P-150 Vacuum condensate collection tank ground level	Any indication of liquids dripping from seal? (yes or no)		NO	
32	VP-150 vacuum pump near D-150B in jet room	Any indication of liquids dripping from seal? (yes or no)		NO	
33	P-150A west of D-150B in jet room	Any indication of liquids dripping from seal? (yes or no)		NO	
34	VP-530D vacuum pump near S-530DB in jet room	Any indication of liquids dripping from seal? (yes or no)		NO	
35	P-530DB south of S-530DB in jet room	Any indication of liquids dripping from seal? (yes or no)		NO	
36	VP-405D vacuum pump near S-405D in jet room	Any indication of liquids dripping from seal? (yes or no)		NO	
37	P-405D south of S-405D in jet room	Any indication of liquids dripping from seal? (yes or no)		NO	
38	P-153B west of TK-403D scrubber recirculation tank	Any indication of liquids dripping from seal? (yes or no)		NO	
39	P-153A west of TK-403D scrubber recirculation tank	Any indication of liquids dripping from seal? (yes or no)		NO	

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INSPECT LISTED AGITATOR SEALS & PUMP SEALS FOR ANY INDICATION OF LIQUIDS DRIPPING FROM THE SEAL.

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Date: 6-4-09 Operator. Initials: [illegible]

#7 OPERATOR

	Item	Check	Days	Nights	Comments
40	Hazardous Waste **Accumulation Area #7**	Drum Level (1/4, 1/2, etc)		1/3	
		Drained?		Y	
		Area spill free?		Y	
		Labeled as monomer waste?		Y	
		Record the date on the label of drum:	Date	Date 5-14-09	
		Is the date on the label <45 days:		YES	
		Does Drum need to be changed out?		NO	
		Free of leaks or evidence of leaking?		OK	
		Free of dents, dings, bulging, creasing, etc?		OK	
		Grounded?		Y	
41	Hazardous Waste **Accumulation Area #8**	Drum Level (1/4, 1/2, etc)		1/4	
		Drained?		Y	
		Area spill free?		Y	
		Labeled as monomer waste?		Y	
		Record the date on the label of drum:	Date	Date 5-27-09	
		Is the date on the label <45 days:		YES	
		Does Drum need to be changed out?		NO	
		Free of leaks or evidence of leaking?		OK	
		Free of dents, dings, bulging, creasing, etc?		OK	
		Grounded?		Y	
42	Hazardous Waste **Accumulation Area #9**	Drum Level (1/4, 1/2, etc)		1/3	
		Drained?		YES	
		Area spill free?		YES	
		Labeled as monomer waste?		YES	
		Record the date on the label of drum:	Date	Date 5-19-09	
		Is the date on the label <45 days:		YES	
		Does Drum need to be changed out?		NO	
		Free of leaks or evidence of leaking?		OK	
		Free of dents, dings, bulging, creasing, etc?		OK	
		Grounded?		Y	

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Date: 6/1/09 Operator. Initials: [illegible]

#7 OPERATOR

	Item	Check	Days	Nights	Comments
43	Hazardous Waste **Accumulation Area #4**	Drum Level (1/4, 1/2, etc)		1/3	
		Drained?		Y	
		Area spill free?		Y	
		Labeled as monomer waste?		Y	
		Record the date on the label of drum:	Date	Date 5-31-09	
		Is the date on the label <45 days:		Y	
		Does Drum need to be changed out?		NO	
		Free of leaks or evidence of leaking?		OK	
		Free of dents, dings, bulging, creasing, etc?		OK	
		Grounded?		Y	
44	Hazardous Waste **Accumulation Area #5**	Drum Level (1/4, 1/2, etc)		1/3	
		Drained?		Y	
		Area spill free?		Y	
		Labeled as monomer waste?		Y	
		Record the date on the label of drum:	Date	Date 5-28-09	
		Is the date on the label <45 days:		Y	
		Does Drum need to be changed out?		NO	
		Free of leaks or evidence of leaking?		OK	
		Free of dents, dings, bulging, creasing, etc?		OK	
		Grounded?		Y	
45	Hazardous Waste Satellite Area #11	Drum Level (1/4, 1/2, etc)		1/2	
		Drained?		Y	
		Area spill free?		Y	
		Labeled as monomer waste?		Y	
		Changed and dated if full?		N/A	
		Free of leaks or evidence of leaking?		OK	
		Free of dents, dings, bulging, creasing, etc?		OK	
		Grounded?		Y	

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Date: 6-7-09 Operator. Initials: [illegible]

#7 OPERATOR

	Item	Check	Days	Nights	Comments
46	Containment Tote for Busch Pump Room Floor Drain	Tote empty?		MT	
		If not empty, determine what is inside. If just water from washing Busch pump room, then can empty into trench. If ethylene glycol, used oil, or unknown / unsure, contact Operations Engineer.		N/A	
		Area spill free?		ok	
		Labeled as wastewater?		ok	
		Free of leaks or evidence of leaking?		ok	
		Free of dents, dings, bulging, creasing, etc?		ok	
47	Satellite Area Supplies	One pallet of new drums available?	N/A	Y	
		Ionol supply adequate?		Y	
				—	
48	No. 7 Rx. Oil seal	Level in sight glass		1/8	
49	No. 7 Rx. Nitrogen seal	Greater than 100 psig.		105	
50	Water flow to: (Flow indicated in sight glass)	No. 7 reactor seal		ok	
		No. 7 Gyrol cooler		ok	
51	-408Water scrubber flow rate. Flow rate of water through T-408 in jet room	Greater than 50 gpm	5	53	

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Date: 6/1/09 Operator. Initials: [illegible]

#8 OPERATOR

	Item	Check	Days	Nights	Comments
1	Eyewash- Niko Tank	Proper flow, temperature & alarm	N/A		
2	No. 8 Init. Jet decanter	Drained?		NO	
3	Purge water under #8 press	On?, Yes or No (should be OFF if using funda)		OFF	
4	Eyewash by safety room	Proper flow, temperature & alarm	N/A	ok	
5	Dust collector bag level (%)	Should be < 75% (empty as needed)	N/A	N/A	
6	Busch Pump Oil tank	Dike is free of spills. No evidence of any leaks.		ok	
7	No. 2 Plant Warehouse Product and Raw material Drums and Bags in.	Warehouse is free of leaking drums and spilled / torn bags.		ok	
8	#8 Reactor jet decanter level	Report Level Drained (Yes or No)		MT/NO	
9	Vazo Room- Floor is clear of pallets and plastic or other debris.	If NO (Please clean up)		ok	
10	All 5 gallon pails in process area correctly labeled	Yes or No (If NO, please label)	N/A	ok	
11	Britesorb Roll Off boxes	Cover closed?		NO	
		Sufficient water level in box?		Y	
		Area spill free?		Y	
		Box needs emptying?		N	
		If < 2 boxes need emptying, report to foreman. (Save waste $$)		NA	
		Labeled with dated non-hazardous waste label?		yes	
		PH value? (Monday and Thursday only)	N/A	N/A	
		Free of leaks or evidence of leaking?		yes/NO	
12	#7 and #8 base charging drain tote	Level of tote/ Emptied Yes or No		Y/- NO	
13	No. 8 Rx. Rupture disc pressure	Should be 0 psig.		0	
14	No. 8 Rx seal oil	Level in sight glass		N/S	
15	No. 8 Rx seal nitrogen	Greater than 100 psig.		110	
16	No. 8 Init. seal oil	Level in sight glass		Y2	
17	No. 8 Init. seal nitrogen	Greater than 110 psig.		118	
18	Water flow to:(Flow indicated in sight glass)	No. 8 Init. seals		ok	
		No. 8 Rect. Seals (outlet pipe west side rx)		ok	
		No. 8 Gyrol cooler		ok	

NOTE: FULL DRUMS MUST BE TRANSPORTED TO THE HAZARDOUS WASTE STORAGE AREA WITHIN 3 DAYS AFTER FILLING (EXCLUDING HOLIDAYS).

INSPECT LISTED AGITATOR SEALS & PUMP SEALS FOR ANY INDICATION OF LIQUIDS DRIPPING FROM THE SEAL.

BASF Corporation	Title:	Daily Operations Inspection Checklist	
Wya Polyol Plant	No.:	WYP0213	Page 8 of 10

NOTE: MANY ITEMS ON THIS CHECKLIST ARE LEGAL REQUIREMENTS. IT IS MANDATORY THAT THIS CHECKLIST IS FILLED OUT COMPLETELY, AND RETURNED TO THE OPERATIONS SUPERVISOR FOR FILING. RECORDS ARE KEPT FOR 5 YEARS.

Date: 6-1-09 **Operator. Initials:** [illegible]

#8 OPERATOR

	Item	Check	Days	Nights	Comments
19	Thermal Ox. – Air Monitoring Yokagawa Strip Chart in Control Rm.	Does it have paper?		Y	
		Make sure the power is on.		Y	
		Is Paper Jammed? (Y/N)		N	
		Is Start Button Green? (Y/N)		Y	
		Results Legible and Clear? (Y/N)		Y	
		If Problem, was Maintenance Notified? (Y/N)		N	
20	A-405C 8Reactor	Any indication of liquids dripping from seal? (yes or no)		ok	
21	A-408C 8Initiator	Any indication of liquids dripping from seal? (yes or no)		ok	

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INSPECT LISTED AGITATOR SEALS & PUMP SEALS FOR ANY INDICATION OF LIQUIDS DRIPPING FROM THE SEAL.

BASF Corporation	Title:	Daily Operations Inspection Checklist	
Wya Polyol Plant	No.:	WYP0213	Page 9 of 10

Date: 6/1/09 Operator Initials: [illegible]

#9 OPERATOR

	Item	Check	Days	Nights	Comments
1	Small Britesorb dump box.	Empty?		Y	
		Free of leaks or evidence of leaking?		Y	
		If box is under funda, Is the lid down?		NO	
		Area is clean and clear of ANY spilled material?		OK	
		Filter cake Under No.8 & 9 Funda & No. 8 Sparkler		OK	
2	All 5 gallon pails in process area correctly labeled	Yes or No (If NO, please label)	N/A	OK	
3	#9 Initiator base charging tote	Level of tote/ Emptied Yes or No		1/2/NO	
4	No. 9 Init. jet decanter	Drained?		NO	
5	No. 9 Rx jet decanter	Drained and Purged EACH Shift?		NO	
6	No. 9 Init. Agitator Seal	Level in sight glass		2/3	
7	A-530 9Initiator	Any indication of liquids dripping from seal? (yes or no)		NO	
8	A-405D 9Reactor	Any indication of liquids dripping from seal? (yes or no)		NO	
9	P-405 bottom of TK-405D 9Reactor east of knock-out pot	Any indication of liquids dripping from seal? (yes or no)		NO	
10	P-151 west of TK-151 9Reactor vacuum condensate collection tank at ground level	Any indication of liquids dripping from seal? (yes or no)		NO	

Please drain and purge with steam EVERY shift! It is known that polymer will build up in decanter and the sight glass will indicate empty!

NOTE: FULL DRUMS MUST BE TRANSPORTED TO THE HAZARDOUS WASTE STORAGE AREA WITHIN 3 DAYS AFTER FILLING (EXCLUDING HOLIDAYS).

INSPECT LISTED AGITATOR SEALS & PUMP SEALS FOR ANY INDICATION OF LIQUIDS DRIPPING FROM THE SEAL.

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Date: 6/19 **Operator Initials:** [illegible]

#10 OPERATOR

	Item	Check	Days	Nights	Comments
1	Eyewash Busch building	Proper flow & temperature & alarm		N/A	
2	Busch rupture disc pres.	Should be 0 psig. Enter MJ if disc has failed.		N/A	
3	#10 Rx rupture disc pres.	Should be 0 psig. Enter MJ if disc has failed.		N/A	
4	Outlet Temp. on Busch Pumps (Check on Midnights) ***SEE NOTE***	Should be 100-160°F	A 148 B 150	C 146	D 155 E 160 F 158
5	#10 Rx Agitator Seal Pres.	Should be 15 psig		18	
6	#10 Rx Agitator Seal Level	Should be visible		1/8	
7	Eyewash - Deck by VB tank	Proper flow		N/A	
8	9 hold agitator	Seal level (1/4,1/2, Full)		—	
9	Eyewash by sulfuric acid tank	Proper, flow, temperature & alarm		ok	
10	Eyewash by #9 Init. charging	Proper flow & temperature & alarm		ok	
11	#9 Trench valve	Should be CLOSED		C	
12	#10 Trench valve	Should be CLOSED		C	
13	No 9 Hold Tank pump seal pot pressure	Pressure should be between 200-230 psig		220	
14	9 Hold pump	Seal pot level (1/2,1/4,etc.)		1/8	
15	9 Flash pump	Seal pot level (1/2,1/4,etc.)		1/8	
16	No 9 flash tank pump seal pot pressure	Pressure should be between 200-230 psig		195	
17	Eyewash by graft pumpout header	Proper flow & temperature & alarm		ok	
18	Eyewash by truck load	Proper flow & temperature & alarm		ok	
19	Eyewash by Tk-526	Proper flow & temperature & alarm		ok	

***If #10RX and PCGR are down leave one busch pump running and shut down the remaining pumps. Rotate that pump to a different pump every four hours.**

REVISIONS

1. Update title and number of document. Deniz Hinz 6/18/08

NOTE: FULL DRUMS MUST BE TRANSPORTED TO THE HAZARDOUS WASTE STORAGE AREA WITHIN 3 DAYS AFTER FILLING (EXCLUDING HOLIDAYS).

INSPECT LISTED AGITATOR SEALS & PUMP SEALS FOR ANY INDICATION OF LIQUIDS DRIPPING FROM THE SEAL.

BASF Corporation	Title:	Hazardous Waste Satellite Storage Log		
Wya Polyol Plant	No.:	WYP0222	Page:	1 of 4

WASTE SATELLITE STORAGE AREA - INSPECTION/TRANSFER LOG
RETURN COMPLETED LOG TO SUPERVISOR TO BE FILED IN THE POLYOL DOCUMENT CENTER
SITE WASTE WARHOUSE HOURS MONDAY/WEDNESDAY 1-2PM, FRIDAY 10-11 AM

DATE: 6/8/09 TIME: 1300 INSPECTED BY (PRINT FULL NAME): Jason Wilson

Container Number	Description	Closed	Sealed	Labeled	Dated	Liquid Level	Damaged	Leaking	Placed Date	Transfer Date
2	#7 Jet Decanter Waste (W-035)	Y	Y	Y	Y	3/4	N	Y	N	Ø
1	Neutralized MDI Waste (W-067)	Y	Y	Y	Y	1/4	N	Y	N	Ø
11	Monomer Waste (W-010)	Y	Y	Y	Y	1/4	Y	Y	N	Ø
12	Neutralized TDI Waste (W-068)	Y	Y	Y	Y	1/2	Y	Y	N	Ø
13	Sugar/Pent/Polyol (A-645)	Y	Y	Y	Y	1/2	N	Y	N	Ø
14	Waste TDA (W-009)	Y	Y	Y	Y	3/4	Y	Y	N	Ø
15	Waste Toluene Filters (#3BB for carbon beds) (W-799)	Y	Y	Y	Y	3/4	N	Y	N	Ø
	Used Oil (A-603-08) Flammable Shed Maintence Pad	Y	Y	Y	Y	1/2	Y	Y	N	Ø
	Polyol QA Waste (W-760) (Will be inside of retain room)	Y	Y	Y	Y	3/4	N	Y	N	Ø
	Crushed Glass (A-616) (Will be inside of retain room)	Y	Y	Y	Y	1/2	N	Y	N	Ø
	Waste Aerosols (W-904) In Maintence Shop	Y	Y	Y	Y	1/2	N	Y	N	Ø

WASTE TRANSFERS / COMMENTS (PLEASE LOG ALL TRANSFERS WITH INDIVIDUAL CONTAINER WEIGHTS IN POUNDS

BASF Corporation	Title:	Hazardous Waste Satellite Storage Log		
Wya Polyol Plant	No.:	WYP0222	Page:	3 of 4

HAZARDOUS WASTE < 90 DAY ACCUMULATIONS STORAGE AREA - INSPECTION/TRANSFER LOG
RETURN COMPLETED LOG TO SUPERVISOR TO BE FILED IN THE POLYOL DOCUMENT CENTER
SITE WASTE WARHOUSE HOURS MONDAY/WEDNESDAY 1-2PM, FRIDAY 10-11 AM

DATE: 6/8/09 TIME: 1300 INSPECTED BY (PRINT FULL NAME): Jason Wilson

[illegible]	DESCRIPTION	RECORD THE DATE OFF THE LABEL, IS IT <45 DAYS OLD?	[illegible]	DRUMS CLEAN	[illegible]	[illegible]	CONTAINERS LIGHT CLOSED	[illegible]	# OF DRUMS TRANSFERRED TO SITE STORAGE?
4	Monomer Waste (W-010)	Date: 6/6	Y	Y	1/4	Y	Y	N	1
5	Monomer Waste (W-010)	Date: 3/18	Y	Y	1/4	Y	Y	N	Ø
6	Monomer Waste (W-010)	Date: 6/1	Y	Y	1/4	Y	Y	N	Ø
7	Monomer Waste (W-010)	Date: 6/3	Y	Y	MT	Y	Y	N	Ø
8	Monomer Waste (W-010)	Date: 5/7	Y	Y	1/4	Y	Y	N	Ø
9	Monomer Waste (W-010)	Date: 5/19	Y	Y	1/4	Y	Y	N	Ø

WASTE TRANSFERS / COMMENTS (PLEASE LOG ALL TRANSFERS WITH INDIVIDUAL CONTAINER WEIGHTS IN POUNDS)

BASF Corporation	Title:	Hazardous Waste Satellite Storage Log		
Wya Polyol Plant	No.:	WYP0222	Page:	3 of 4

HAZARDOUS WASTE < 90 DAY ACCUMULATIONS STORAGE AREA - INSPECTION/TRANSFER LOG
RETURN COMPLETED LOG TO SUPERVISOR TO BE FILED IN THE POLYOL DOCUMENT CENTER
SITE WASTE WARHOUSE HOURS MONDAY/WEDNESDAY 1-2PM, FRIDAY 10-11 AM

DATE: 6/8/09 TIME: 1300 INSPECTED BY (PRINT FULL NAME): Jason Wilson

[illegible]	[illegible]	START DATE ON LABEL IS <11 MONTHS	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1	Waste Batteries (U-800) Supervisor's Office **(Dispose of >11 months)**	Y	Y	Y	Y	Y	MT	Y	Y	1
2	Waste Batteries (U-800) Maintenance Shop **(Dispose of >11 months)**	Y	Y	Y	Y	Y	1/4	Y	N	Ø

WASTE TRANSFERS / COMMENTS (PLEASE LOG ALL TRANSFERS WITH INDIVIDUAL CONTAINER WEIGHTS IN POUNDS)

BASF Corporation	Title:	Daily Operations Inspection Checklist	
Wya Polyol Plant	No.:	WYP0213	Page 1 of 11

NOTE: MANY ITEMS ON THIS CHECKLIST ARE LEGAL REQUIREMENTS. IT IS MANDATORY THAT THIS CHECKLIST IS FILLED OUT COMPLETELY, AND RETURNED TO THE OPERATIONS SUPERVISOR FOR FILING. RECORDS ARE KEPT FOR 7 YEARS.

Date: 7/27/09

Days Operator: SF Supervisor:

Nights Operator: Supervisor:

#7 OPERATOR

	Item	Check	Days	Nights	Comments
1	Emergency radio set on SCAN mode	Should be set on SCAN mode to monitor the Emergency Channel	OK	ON	
2	Emergency radio volume	Volume should be turned on	OK	ON	
3	Confirm that the radios of the Shift Leader and Tank Farm Area Leader are in the SCAN mode.	Should be set on SCAN mode to monitor the Emergency Channel	OK	ON	
4	Control Room pressure	Pressure greater than 0.1"		.04	
5	Air moisture analyser	Record moisture content (Should be less than -90)	-62	-63	
6	Steam pressure	Greater than 105 psig. & stable	121	118	
7	Battery backup for temp. Indicator	Should be 24-30 volts	24.57	24.5	
8	General Monitors-#2 Plant	No alarms/no malfunctions	NONE	NONE	
9	Instrument air pressure	90 psig. & stable	100	100	
10	River water pressure	Greater than 65 psig. & stable	78	78	
11	Busch Glycol Storage level	Greater than 50%	59	59	
12	Busch Glycol Storage Temp.	Should be > 120 °F	139	138	
13	TK526 Temp (Mercaptan)	Should be 50-150°F.	104	107	
14	TDA storage level	Level should be greater than 30,000lbs	N/A	N/A	
15	EO Transfer Pump	Using P-101B2? If no report to coordinator	Y	Yes	
16	PO Transfer Pump	Using P-101C2? If no report to coordinator	Y	Yes	
17	Battery backup	Ready light on?	ON	ON	
18	Survive Air packs (Control Room)	Should be two cleaned and available		N/A	
19	TDA recycle	Flowing	N/A	NA	
20	Eyewash pressure	Greater than 60 psig.	70	71	
21	TMP recycle	Flowing?	Y	Yes	
22	No 7 jet decanter waste **(Satellite)**	Drained and spill free	Y	Yes	
		Labeled as Jet Decanter Waste?	Y	Yes	
		Full & Dated?	N/A	NA	
		Grounded?	Y	Yes	

NOTE: FULL DRUMS MUST BE TRANSPORTED TO HAZARDOUS WASTE STORAGE AREA WITHIN 3 DAYS AFTER FILLING (EXCLUDING HOLIDAYS).

BASF Corporation	Title:	Daily Operations Inspection Sheet	
Wya Polyol Plant	No.:	WYP0213	Page 2 of 11

Date: 7/27/09 Operator. Initials: ST

#7 OPERATOR

	Item	Check	Days	Nights	Comments
23	Sulfuric Acid Dike	Is the Dike Empty (Y/N)?	N	No	
		If Not, Did You Empty (Y/N)?	N	No	
		What Time was Dike Emptied	N		
		If Yes, What is the pH?		N/A	
		If Yes, What is the Color?			
		Qty of Phases in Standing Water Sample?	A		
24	Eyewash pad by No. 7 RX	Proper flow, temperature & alarm	OK	N/A	
25	#7 & #8 Trench valve	Should be CLOSED	OPEN	open	
26	Dust/Vapor collector drain drum by #7 RX. Emptied? (Yes or No)	Drum level (1/4, ½. Etc.)	N/A	ok	
27	All 5-gallon pails in process area correctly labeled?	Yes or No (If NO, please label)	N/A	ok	
28	Hazardous Waste **Accumulation Area** #6	Drum Level (1/4, 1/2, etc)	1/3	1/3	
		Drained?	Y	Yes	
		Area spill free?	Y	Yes	
		Labeled as monomer waste?	Y	Yes	
		Record the date on the label of drum:	Date	Date 7-15-9	
		Is the date on the label <45 days:	Y	Yes	
		Does Drum need to be changed out?	N	NA	
		Free of leaks or evidence of leaking?	Y	ok	
		Free of dents, dings, bulging, creasing, etc?	Y	ok	
		Grounded?	Y	Yes	
	A-405B 7Reactor	Any indication of liquids dripping from seal? (yes or no)			

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BASF Corporation	Title:	Daily Operations Inspection Checklist	
Wya Polyol Plant	No.:	WYP0213	Page 3 of 11

Date: 7/27/09

Operator. Initials: ST

#7 OPERATOR

	Item	Check	Days	Nights	Comments
	A-405C 8Reactor	Any indication of liquids dripping from seal? (yes or no)	N	No	
	A-408C 8Initiator	Any indication of liquids dripping from seal? (yes or no)	N		
	A-530 9Initiator	Any indication of liquids dripping from seal? (yes or no)	N		
	A-405D 9Reactor	Any indication of liquids dripping from seal? (yes or no)	N		
	VP-151 vacuum pump near D-151B in jet room	Any indication of liquids dripping from seal? (yes or no)			
	P-151A north of D-151B in jet room	Any indication of liquids dripping from seal? (yes or no)			
	P-405 bottom of TK-405D 9Reactor east of knock-out pot	Any indication of liquids dripping from seal? (yes or no)	N	No	
	VP-150 vacuum pump near D-150B in jet room	Any indication of liquids dripping from seal? (yes or no)			
	P-150A west of D-150B in jet room	Any indication of liquids dripping from seal? (yes or no)			
	VP-530D vacuum pump near S-530DB in jet room	Any indication of liquids dripping from seal? (yes or no)			
	P-530DB south of S-530DB in jet room	Any indication of liquids dripping from seal? (yes or no)			
	VP-405D vacuum pump near S-405D in jet room	Any indication of liquids dripping from seal? (yes or no)			
	P-405D south of S-405D in jet room	Any indication of liquids dripping from seal? (yes or no)			
	P-151 west of TK-151 9Reactor vacuum condensate collection tank at ground level	Any indication of liquids dripping from seal? (yes or no)	N	No	
	P-153B west of TK-403D scrubber recirculation tank	Any indication of liquids dripping from seal? (yes or no)	N		
	P-153A west of TK-403D scrubber recirculation tank	Any indication of liquids dripping from seal? (yes or no)	N	No	

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INSPECT LISTED AGITATOR SEALS & PUMP SEALS FOR ANY INDICATION OF LIQUIDS DRIPPING FROM THE SEAL.

BASF Corporation	Title:	Daily Operations Inspection Sheet	
Wya Polyol Plant	No.:	WYP0213	Page 4 of 11

Date: 7/27/09 Operator. Initials: ST

#7 OPERATOR

	Item	Check	Days	Nights	Comments
29	Hazardous Waste **Accumulation Area #7**	Drum Level (1/4, 1/2, etc)	1/3	1/3	
		Drained?	Y	Yes	
		Area spill free?	Y	Yes	
		Labeled as monomer waste?	Y	Yes	
		Record the date on the label of drum:	Date	Date 7-16-9	
		Is the date on the label <45 days:	Y	Yes	
		Does Drum need to be changed out?	N	No	
		Free of leaks or evidence of leaking?	Y	Yes	
		Free of dents, dings, bulging, creasing, etc?	Y	ok	
		Grounded?	Y	Yes	
30	Hazardous Waste **Accumulation Area #8**	Drum Level (1/4, 1/2, etc)	1/3	1/3	
		Drained?	Y	Yes	
		Area spill free?	Y	Yes	
		Labeled as monomer waste?	Y	Yes	
		Record the date on the label of drum:	Date	Date 7-7-9	
		Is the date on the label <45 days:	Y	Yes	
		Does Drum need to be changed out?	N	NA	
		Free of leaks or evidence of leaking?	Y	ok	
		Free of dents, dings, bulging, creasing, etc?	Y	ok	
		Grounded?	Y	Yes	
31	Hazardous Waste **Accumulation Area #9**	Drum Level (1/4, 1/2, etc)	1/3	1/3	
		Drained?	Y	Yes	
		Area spill free?	Y	Yes	
		Labeled as monomer waste?	Y	Yes	
		Record the date on the label of drum:	Date	Date 7-13-9	
		Is the date on the label <45 days:	Y	Yes	
		Does Drum need to be changed out?	N	ok	
		Free of leaks or evidence of leaking?	Y	ok	
		Free of dents, dings, bulging, creasing, etc?	Y	ok	
		Grounded?	Y	Yes	

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BASF Corporation	Title:	Daily Operations Inspection Sheet	
Wya Polyol Plant	No.:	WYP0213	Page 5 of 11

Date: 7/27/09 Operator. Initials: ST

#7 OPERATOR

	Item	Check	Days	Nights	Comments
32	Hazardous Waste **Accumulation Area #4**	Drum Level (1/4, 1/2, etc)	1/2	1/2	
		Drained?	Y	YES	
		Area spill free?	Y	YES	
		Labeled as monomer waste?	Y	YES	
		Record the date on the label of drum:	Date	Date 7-24-9	
		Is the date on the label <45 days:	Y	YES	
		Does Drum need to be changed out?	N	NA	
		Free of leaks or evidence of leaking?	Y	YES	
		Free of dents, dings, bulging, creasing, etc?	Y	YES	
		Grounded?	Y	YES	
33	Hazardous Waste **Accumulation Area #5**	Drum Level (1/4, 1/2, etc)	1/3	1/3	
		Drained?	Y	YES	
		Area spill free?	Y	YES	
		Labeled as monomer waste?	Y	YES	
		Record the date on the label of drum:	Date	Date 6-30-9	
		Is the date on the label <45 days:	Y	YES	
		Does Drum need to be changed out?	N	NA	
		Free of leaks or evidence of leaking?	Y	YES	
		Free of dents, dings, bulging, creasing, etc?	Y	YES	
		Grounded?	Y	YES	
34	Hazardous Waste Satellite Area #11	Drum Level (1/4, 1/2, etc)	1/2	1/2	
		Drained?	Y	YES	
		Area spill free?	Y	NA	
		Labeled as monomer waste?	Y	YES	
		Changed and dated if full?	N/A	NA	
		Free of leaks or evidence of leaking?	Y	YES	
		Free of dents, dings, bulging, creasing, etc?	Y	YES	
		Grounded?	Y	YES	

NOTE: FULL DRUMS MUST BE TRANSPORTED TO HAZARDOUS WASTE STORAGE AREA WITHIN 3 DAYS AFTER FILLING (EXCLUDING HOLIDAYS).

BASF Corporation	Title:	Daily Operations Inspection Checklist	
Wya Polyol Plant	No.:	WYP0213	Page 6 of 11

Date: 7/27/09 Operator. Initials: ST

#7 OPERATOR

	Item	Check	Days	Nights	Comments
35	Containment Tote for Busch Pump Room Floor Drain	Tote empty?	Y	Y	
		If not empty, determine what is inside. If just water from washing Busch pump room, then can empty into trench. If ethylene glycol, used oil, or unknown / unsure, contact Operations Engineer.	N/A	NA	
		Area spill free?	Y	Y	
		Labeled as wastewater?	Y	Y	
		Free of leaks or evidence of leaking?	Y	Y	
		Free of dents, dings, bulging, creasing, etc?	Y	Y	
36	Satellite Area Supplies	One pallet of new drums available?	N/A	N/A	
		Ionol supply adequate?	Y	Y	
37	No. 7 Rx. Oil seal	Level in sight glass	3/4	3/4	
38	No. 7 Rx. Nitrogen seal	Greater than 100 psig.	105	105	
39	Water flow to: (Flow indicated in sight glass)	No. 7 reactor seal	ok	ok	
		No. 7 Gyrol cooler	OK	ok	
40	-408Water scrubber flow rate. Flow rate of water through T-408 in jet room	Greater than 50 gpm	93.1	94.2	

NOTE: FULL DRUMS MUST BE TRANSPORTED TO HAZARDOUS WASTE STORAGE AREA WITHIN 3 DAYS AFTER FILLING (EXCLUDING HOLIDAYS).

INSPECT LISTED AGITATOR SEALS & PUMP SEALS FOR ANY INDICATION OF LIQUIDS DRIPPING FROM THE SEAL.

BASF Corporation	Title:	Daily Operations Inspection Checklist	
Wya Polyol Plant	No.:	WYP0213	Page 7 of 11

NOTE: MANY ITEMS ON THIS CHECKLIST ARE LEGAL REQUIREMENTS. IT IS MANDATORY THAT THIS CHECKLIST IS FILLED OUT COMPLETELY, AND RETURNED TO THE OPERATIONS SUPERVISOR FOR FILING. RECORDS ARE KEPT FOR 5 YEARS.

Date: 7/27/09 Operator. Initials: ST

#8 OPERATOR

	Item	Check	Days	Nights	Comments
1	Eyewash- Niko Tank	Proper flow, temperature & alarm	N/A	ok	
2	No. 8 Init. Jet decanter	Drained?	N	NO	
3	Purge water under #8 press	Is it ON? (should be OFF if using funda)		OFF	
4	Eyewash by safety room	Proper flow, temperature & alarm	N/A	ok	
5	Dust collector bag level (%)	Should be < 75% (empty as needed)	N/A	ok	
6	Busch Pump Oil tank	Dike is free of spills. No evidence of any leaks.	Y	NA	
7	No. 2 Plant Warehouse Product and Raw material Drums and Bags in.	Warehouse is free of leaking drums and spilled / torn bags.	Y	YES	
8	#8 Reactor jet decanter level	Report Level Drained (Yes or No)	—	NO	
9	Vazo Room- Floor is clear of pallets and plastic or other debris.	If NO (Please clean up)	Y	YES	
10	All 5-gal pails in process area correctly labeled	Yes or No (If NO, please label)	N/A	ok	
11	Britesorb Roll Off boxes	Cover closed?	N	NO	
		Sufficient water level in box?	Y	ok	
		Area spill free?	Y	ok	
		Box needs emptying?	Y	NA	
		If < 2 boxes need emptying, report to foreman. (Save waste $$)	N/A	NA	
		Labeled with dated non-hazardous waste label?	Y	YES	
		PH value? (Monday and Thursday only)	N/A	NA	
		Free of leaks or evidence of leaking?	Y	YES	
12	#7 and #8 base charging drain tote	Level of tote/ Emptied Yes or No		78	
13	No. 8 Rx. Rupture disc pressure	Should be 0 psig.		0	
14	No. 8 Rx seal oil	Level in sight glass	LOCKED OUT	LOCKED	
15	No. 8 Rx seal nitrogen	Greater than 100 psig.	" "	"	
16	No. 8 Init. seal oil	Level in sight glass	1/2	1/2	
17	No. 8 Init. seal nitrogen	Greater than 110 psig.	120	120	
18	Water flow to:(Flow indicated in sight glass)	No. 8 Init. seals	OK	ok	
		No. 8 Rect. Seals (outlet pipe west side rx)	OK	ok	
		No. 8 Gyrol cooler	OK	ok	

NOTE: FULL DRUMS MUST BE TRANSPORTED TO HAZARDOUS WASTE STORAGE AREA WITHIN 3 DAYS AFTER FILLING (EXCLUDING HOLIDAYS).

INSPECT LISTED AGITATOR SEALS & PUMP SEALS FOR ANY INDICATION OF LIQUIDS DRIPPING FROM THE SEAL.

NOTE: MANY ITEMS ON THIS CHECKLIST ARE LEGAL REQUIREMENTS. IT IS MANDATORY THAT THIS CHECKLIST IS FILLED OUT COMPLETELY, AND RETURNED TO THE OPERATIONS SUPERVISOR FOR FILING. RECORDS ARE KEPT FOR 5 YEARS.

Date: 7/27/09 **Operator. Initials:** ST

#8 OPERATOR

	Item	Check	Days	Nights	Comments
19	Thermal Ox. – Air Monitoring Yokagawa Strip Chart in Control Rm.	Does it have paper?	Y	Yes	
		Make sure the power is on.	ok	ok	
		Is Paper Jammed? (Y/N)	N	No	
		Is Start Button Green? (Y/N)	Y	Yes	
		Results Legible and Clear? (Y/N)	Y	Yes	
		If Problem, was Maintenance Notified? (Y/N)	N/A	NA	

NOTE: FULL DRUMS MUST BE TRANSPORTED TO HAZARDOUS WASTE STORAGE AREA WITHIN 3 DAYS AFTER FILLING (EXCLUDING HOLIDAYS).

INSPECT LISTED AGITATOR SEALS & PUMP SEALS FOR ANY INDICATION OF LIQUIDS DRIPPING FROM THE SEAL.

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Date: 7/27/09 Operator Initials: SR

#9 OPERATOR

	Item	Check	Days	Nights	Comments
1	Small Britesorb dump box.	Empty?	Y	Yes	
		Free of leaks or evidence of leaking?	Y	Yes	
		If box is under funda, Is the lid down?	Y	Yes	
		Area is clean and clear of ANY spilled material?	Y	Yes	
		Filter cake Under No.8 & 9 Funda & No. 8 Sparkler	N	[illegible]	
2	All 5 gallon pails in process area correctly labeled	Yes or No (If NO, please label)	N/A	NA	
3	#9 Initiator base charging tote	Level of tote/ Emptied Yes or No		4	
4	No. 9 Init. jet decanter	Drained?	N	NA	
5	No. 9 Rx jet decanter	Drained and Purged EACH Shift?	Y	No	
6	No. 9 Init. Agitator Seal	Level in sight glass	3/4	3/4	

Please drain and purge with steam EVERY shift! It is known that polymer will build up in decanter and the sight glass will indicate empty!

NOTE: FULL DRUMS MUST BE TRANSPORTED TO HAZARDOUS WASTE STORAGE AREA WITHIN 3 DAYS AFTER FILLING (EXCLUDING HOLIDAYS).

INSPECT LISTED AGITATOR SEALS & PUMP SEALS FOR ANY INDICATION OF LIQUIDS DRIPPING FROM THE SEAL.

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NOTE: MANY ITEMS ON THIS CHECKLIST ARE LEGAL REQUIREMENTS. IT IS MANDATORY THAT THIS CHECKLIST IS FILLED OUT COMPLETELY, AND RETURNED TO THE OPERATIONS SUPERVISOR FOR FILING. RECORDS ARE KEPT FOR 5 YEARS.

Date: 7/27/09 Operator Initials: ST

#10 OPERATOR

	Item	Check	Days	Nights	Comments
1	Eyewash Busch building	Proper flow & temperature & alarm	ok	N/A	
2	Busch rupture disc pres.	Should be 0 psig. Enter MJ if disc has failed.	0	N/A	
3	#10 Rx rupture disc pres.	Should be 0 psig. Enter MJ if disc has failed.	0	N/A	
4	#10 Rx Agitator Seal Pres.	Should be 15 psig	18	18	
5	#10 Rx Agitator Seal Level	Should be visible	3/4	3/4	
6	Eyewash - Deck by VB tank	Proper flow	ok	ok	
7	9 hold agitator	Seal level (1/4,1/2, Full)	—	—	
8	Eyewash by sulfuric acid tank	Proper, flow, temperature & alarm	ok	ok	
9	Eyewash by #9 Init. Charging	Proper flow & temperature & alarm	ok	ok	
10	#9 Trench valve	Should be CLOSED	C	Closed	
11	#10 Trench valve	Should be CLOSED	open	Open	
12	No 9 Hold Tank pump seal pot pressure	Pressure should be between 200-230 psig	220	220	
13	9 Hold pump	Seal pot level (1/2,1/4,etc.)	3/4	3/4	
14	9 Flash pump	Seal pot level (1/2,1/4,etc.)	3/4	3/4	
15	No 9 flash tank pump seal pot pressure	Pressure should be between 200-230 psig	175	175	
16	Eyewash by graft pumpout header	Proper flow & temperature & alarm	ok	ok	
17	Eyewash by truck load	Proper flow & temperature & alarm	ok	ok	
18	Eyewash by Tk-526	Proper flow & temperature & alarm	ok	ok	
19	Outlet Temp. on Busch Pumps (Check on Midnights) ***SEE NOTE***	Should be 100-160°F	A Down B N	C Down	D Down E Down F
20	Busch pump A in Busch room	Any indication of liquid dripping from seal?		No	
21	Busch pump B in Busch room	Any indication of liquid dripping from seal?			
22	Busch pump C in Busch room	Any indication of liquid dripping from seal?			
23	Busch pump F in Busch room	Any indication of liquid dripping from seal?			
24	Busch pump E in Busch room	Any indication of liquid dripping from seal?			
25	Busch pump D in Busch room	Any indication of liquid dripping from seal?			
26	P-510A monomer mix tank pump	Any indication of liquid dripping from seal?	N		
27	P-510 mixed monomer tank pump	Any indication of liquid dripping from seal?	N	No	

NOTE: FULL DRUMS MUST BE TRANSPORTED TO HAZARDOUS WASTE STORAGE AREA WITHIN 3 DAYS AFTER FILLING (EXCLUDING HOLIDAYS).

INSPECT LISTED AGITATOR SEALS & PUMP SEALS FOR ANY INDICATION OF LIQUIDS DRIPPING FROM THE SEAL.

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Date:_____ **Operator Initials:**_____

#10 OPERATOR

	Item	Check	Days	Nights	Comments
28	P-525	Any indication of liquid dripping from seal?		No	
29	P-529	Any indication of liquid dripping from seal?		✓	
30	P-528 CGR Pump	Any indication of liquid dripping from seal?		✓	
31	P-413C recycled monomer pump	Any indication of liquid dripping from seal?		No	

***If #10RX and PCGR are down leave one busch pump running and shut down the remaining pumps. Rotate that pump to a different pump every four hours.**

REVISIONS

1. Update title and number of document. Deniz Hinz 6/18/08
2. Add Monomer pumps to the inspection sheet for graft Joel Young 6/18/09

NOTE: FULL DRUMS MUST BE TRANSPORTED TO HAZARDOUS WASTE STORAGE AREA WITHIN 3 DAYS AFTER FILLING (EXCLUDING HOLIDAYS).

INSPECT LISTED AGITATOR SEALS & PUMP SEALS FOR ANY INDICATION OF LIQUIDS DRIPPING FROM THE SEAL.

BASF Corporation	Title:	Daily Operations Inspection Checklist	
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NOTE: MANY ITEMS ON THIS CHECKLIST ARE LEGAL REQUIREMENTS. IT IS MANDATORY THAT THIS CHECKLIST IS FILLED OUT COMPLETELY, AND RETURNED TO THE OPERATIONS SUPERVISOR FOR FILING. RECORDS ARE KEPT FOR 7 YEARS.

Date: 7-20-09 Days Operator: JP Supervisor: _____

Nights Operator: MIKE G Supervisor: _____

#7 OPERATOR

	Item	Check	Days	Nights	Comments
1	Emergency radio set on SCAN mode	Should be set on SCAN mode to monitor the Emergency Channel	OK	ok	
2	Emergency radio volume	Volume should be turned on	OK	ok	
3	Confirm that the radios of the Shift Leader and Tank Farm Area Leader are in the SCAN mode.	Should be set on SCAN mode to monitor the Emergency Channel	OK	ok	
4	Control Room pressure	Pressure greater than 0.1"	.05	.05	
5	Air moisture analyser	Record moisture content (Should be less than -90)	-46	-45	
6	Steam pressure	Greater than 105 psig. & stable	119	118	
7	Battery backup for temp. Indicator	Should be 24-30 volts	24.7	25	
8	General Monitors-#2 Plant	No alarms/no malfunctions	NONE	—	
9	Instrument air pressure	90 psig. & stable	96	98	
10	River water pressure	Greater than 65 psig. & stable	77	89	
11	Busch Glycol Storage level	Greater than 50%	59	59	
12	Busch Glycol Storage Temp.	Should be > 120 °F	136	136	
13	TK526 Temp (Mercaptan)	Should be 50-150°F.	101	101	
14	TDA storage level	Level should be greater than 30,000lbs	MT	N/A	
15	EO Transfer Pump	Using P-101B2? If no report to coordinator	OK	ok	
16	PO Transfer Pump	Using P-101C2? If no report to coordinator	OK	ok	
17	Battery backup	Ready light on?	ON	OK	
18	Survive Air packs (Control Room)	Should be two cleaned and available	OK	N/A	
19	TDA recycle	Flowing	NA ~~ok~~	—	
20	Eyewash pressure	Greater than 60 psig.	OK	ok	
21	TMP recycle	Flowing?	OK	ok	
22	No 7 jet decanter waste **(Satellite)**	Drained and spill free	N/Y	N/Y	
		Labeled as Jet Decanter Waste?	Y	Y	
		Full & Dated?	NA	—	
		Grounded?	Y	Y	

NOTE: FULL DRUMS MUST BE TRANSPORTED TO HAZARDOUS WASTE STORAGE AREA WITHIN 3 DAYS AFTER FILLING (EXCLUDING HOLIDAYS).

BASF Corporation	Title:	Daily Operations Inspection Sheet	
Wya Polyol Plant	No.:	WYP0213	Page 2 of 11

Date: 7-30-09 Operator. Initials: [illegible]

#7 OPERATOR

	Item	Check	Days	Nights	Comments
23	Sulfuric Acid Dike	Is the Dike Empty (Y/N)?	NO	NO	
		If Not, Did You Empty (Y/N)?	NO	NO	
		What Time was Dike Emptied		N/	
		If Yes, What is the pH?	N/A		
		If Yes, What is the Color?			
		Qty of Phases in Standing Water Sample?		N	
24	Eyewash pad by No. 7 RX	Proper flow, temperature & alarm		N/A	
25	#7 & #8 Trench valve	Should be CLOSED	O	open	
26	Dust/Vapor collector drain drum by #7 RX. Emptied? (Yes or No)	Drum level (1/4, ½. Etc.)	N/A	—	
27	All 5-gallon pails in process area correctly labeled?	Yes or No (If NO, please label)	N/A	—	
28	Hazardous Waste **Accumulation Area #6**	Drum Level (1/4, 1/2, etc)	1/4	1/2	
		Drained?	Y	Y	
		Area spill free?	Y	Y	
		Labeled as monomer waste?	Y	Y	
		Record the date on the label of drum:	Date 7-15-09	Date 7/15/09	
		Is the date on the label <45 days:	Y	Y	
		Does Drum need to be changed out?	NO	NO	
		Free of leaks or evidence of leaking?	Y	Y	
		Free of dents, dings, bulging, creasing, etc?	Y	Y	
		Grounded?	Y	Y	
	A-405B 7Reactor	Any indication of liquids dripping from seal? (yes or no)			

NOTE: FULL DRUMS MUST BE TRANSPORTED TO HAZARDOUS WASTE STORAGE AREA WITHIN 3 DAYS AFTER FILLING (EXCLUDING HOLIDAYS).

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Date: 7-20-09

Operator. Initials: [illegible]

#7 OPERATOR

	Item	Check	Days	Nights	Comments
	A-405C 8Reactor	Any indication of liquids dripping from seal? (yes or no)	NO	No	
	A-408C 8Initiator	Any indication of liquids dripping from seal? (yes or no)		No	
	A-530 9Initiator	Any indication of liquids dripping from seal? (yes or no)		No	
	A-405D 9Reactor	Any indication of liquids dripping from seal? (yes or no)		No	
				No	
				No	
	VP-151 vacuum pump near D-151B in jet room	Any indication of liquids dripping from seal? (yes or no)		No	
	P-151A north of D-151B in jet room	Any indication of liquids dripping from seal? (yes or no)		No	
	P-405 bottom of TK-405D 9Reactor east of knock-out pot	Any indication of liquids dripping from seal? (yes or no)		No	
	VP-150 vacuum pump near D-150B in jet room	Any indication of liquids dripping from seal? (yes or no)		No	
	P-150A west of D-150B in jet room	Any indication of liquids dripping from seal? (yes or no)		No	
	VP-530D vacuum pump near S-530DB in jet room	Any indication of liquids dripping from seal? (yes or no)		No	
	P-530DB south of S-530DB in jet room	Any indication of liquids dripping from seal? (yes or no)		No	
	VP-405D vacuum pump near S-405D in jet room	Any indication of liquids dripping from seal? (yes or no)		No	
	P-405D south of S-405D in jet room	Any indication of liquids dripping from seal? (yes or no)		No	
	P-151 west of TK-151 9Reactor vacuum condensate collection tank at ground level	Any indication of liquids dripping from seal? (yes or no)		No	
	P-153B west of TK-403D scrubber recirculation tank	Any indication of liquids dripping from seal? (yes or no)		No	
	P-153A west of TK-403D scrubber recirculation tank	Any indication of liquids dripping from seal? (yes or no)		No	

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INSPECT LISTED AGITATOR SEALS & PUMP SEALS FOR ANY INDICATION OF LIQUIDS DRIPPING FROM THE SEAL.

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Date: 7-20-09 Operator. Initials: SP

#7 OPERATOR

	Item	Check	Days	Nights	Comments
29	Hazardous Waste **Accumulation Area #7**	Drum Level (1/4, 1/2, etc)	1/4	1/4	
		Drained?	Y	Y	
		Area spill free?	Y	Y	
		Labeled as monomer waste?	Y	Y	
		Record the date on the label of drum:	Date 7-16-9	Date 7/16	
		Is the date on the label <45 days:	Y	Y	
		Does Drum need to be changed out?	NO	—	
		Free of leaks or evidence of leaking?	Y	Y	
		Free of dents, dings, bulging, creasing, etc?	Y	Y	
		Grounded?	Y	Y	
30	Hazardous Waste **Accumulation Area #8**	Drum Level (1/4, 1/2, etc)	1/4	1/2	
		Drained?	Y	Y	
		Area spill free?	Y	Y	
		Labeled as monomer waste?	Y	Y	
		Record the date on the label of drum:	Date 7-7-09	Date 7-7	
		Is the date on the label <45 days:	Y	Y	
		Does Drum need to be changed out?	NO	—	
		Free of leaks or evidence of leaking?	Y	Y	
		Free of dents, dings, bulging, creasing, etc?	Y	Y	
		Grounded?	Y	Y	
31	Hazardous Waste **Accumulation Area #9**	Drum Level (1/4, 1/2, etc)	1/4	1/4	
		Drained?	Y	Y	
		Area spill free?	Y	Y	
		Labeled as monomer waste?	Y	Y	
		Record the date on the label of drum:	Date 7-13-9	Date 7-13	
		Is the date on the label <45 days:	Y	Y	
		Does Drum need to be changed out?	NO	—	
		Free of leaks or evidence of leaking?	Y	Y	
		Free of dents, dings, bulging, creasing, etc?	Y	Y	
		Grounded?	Y	Y	

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Date: 7-20-09 Operator. Initials: JR/[illegible]

#7 OPERATOR

	Item	Check	Days	Nights	Comments
32	Hazardous Waste **Accumulation Area #4**	Drum Level (1/4, 1/2, etc)	1/4	1/2	
		Drained?	Y	Y	
		Area spill free?	Y	Y	
		Labeled as monomer waste?	Y	Y	
		Record the date on the label of drum:	Date 7-16-09	Date 7-16	
		Is the date on the label <45 days:	Y	Y	
		Does Drum need to be changed out?	NO	NO	
		Free of leaks or evidence of leaking?	Y	Y	
		Free of dents, dings, bulging, creasing, etc?	Y	Y	
		Grounded?		Y	
33	Hazardous Waste **Accumulation Area #5**	Drum Level (1/4, 1/2, etc)	2/3	1/2/3	
		Drained?	Y	Y	
		Area spill free?	Y	Y	
		Labeled as monomer waste?	Y	Y	
		Record the date on the label of drum:	Date 6-30-9	Date 6-30	
		Is the date on the label <45 days:	Y	Y	
		Does Drum need to be changed out?	NO	—	
		Free of leaks or evidence of leaking?	Y	Y	
		Free of dents, dings, bulging, creasing, etc?	Y	Y	
		Grounded?	Y	Y	
34	Hazardous Waste Satellite Area #11	Drum Level (1/4, 1/2, etc)	1/4	1/2	
		Drained?	Y	Y	
		Area spill free?	Y	Y	
		Labeled as monomer waste?	Y	Y	
		Changed and dated if full?	NA	—	
		Free of leaks or evidence of leaking?	Y	Y	
		Free of dents, dings, bulging, creasing, etc?	Y	Y	
		Grounded?	Y	Y	

NOTE: FULL DRUMS MUST BE TRANSPORTED TO HAZARDOUS WASTE STORAGE AREA WITHIN 3 DAYS AFTER FILLING (EXCLUDING HOLIDAYS).

Date: 2-20-09 Operator. Initials: JA

#7 OPERATOR

	Item	Check	Days	Nights	Comments
35	Containment Tote for Busch Pump Room Floor Drain	Tote empty?	YES	YES	
		If not empty, determine what is inside. If just water from washing Busch pump room, then can empty into trench. If ethylene glycol, used oil, or unknown / unsure, contact Operations Engineer.	N/A	N/A	
		Area spill free?	OK	OK	
		Labeled as wastewater?	OK		
		Free of leaks or evidence of leaking?	OK		
		Free of dents, dings, bulging, creasing, etc?	OK		
36	Satellite Area Supplies	One pallet of new drums available?	N/A	OK	
		Ionol supply adequate?	OK	OK	
37	No. 7 Rx. Oil seal	Level in sight glass	3/4	7/8	
38	No. 7 Rx. Nitrogen seal	Greater than 100 psig.	106	110	
39	Water flow to: (Flow indicated in sight glass)	No. 7 reactor seal	OK	OK	
		No. 7 Gyrol cooler	OK	OK	
40	-408Water scrubber flow rate. Flow rate of water through T-408 in jet room	Greater than 50 gpm	86.2	86	

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INSPECT LISTED AGITATOR SEALS & PUMP SEALS FOR ANY INDICATION OF LIQUIDS DRIPPING FROM THE SEAL.

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NOTE: MANY ITEMS ON THIS CHECKLIST ARE LEGAL REQUIREMENTS. IT IS MANDATORY THAT THIS CHECKLIST IS FILLED OUT COMPLETELY, AND RETURNED TO THE OPERATIONS SUPERVISOR FOR FILING. RECORDS ARE KEPT FOR 5 YEARS.

Date: 7-20-09 Operator. Initials: JK

#8 OPERATOR

	Item	Check	Days	Nights	Comments
1	Eyewash- Niko Tank	Proper flow, temperature & alarm	N/A		
2	No. 8 Init. Jet decanter	Drained?	Y		
3	Purge water under #8 press	Is it ON? (should be OFF if using funda)	off		
4	Eyewash by safety room	Proper flow, temperature & alarm	N/A		
5	Dust collector bag level (%)	Should be < 75% (empty as needed)	N/A		
6	Busch Pump Oil tank	Dike is free of spills. No evidence of any leaks.	OK		
7	No. 2 Plant Warehouse Product and Raw material Drums and Bags in.	Warehouse is free of leaking drums and spilled / torn bags.	OK		
8	#8 Reactor jet decanter level	Report Level Drained (Yes or No)	MT		
9	Vazo Room- Floor is clear of pallets and plastic or other debris.	If NO (Please clean up)	OK		
10	All 5-gal pails in process area correctly labeled	Yes or No (If NO, please label)	N/A		
11	Britesorb Roll Off boxes	Cover closed?	O		
		Sufficient water level in box?	Y		
		Area spill free?	Y		
		Box needs emptying?	NO		
		If < 2 boxes need emptying, report to foreman. (Save waste $$)	OK		
		Labeled with dated non-hazardous waste label?	OK		
		PH value? (Monday and Thursday only)	N/A		
		Free of leaks or evidence of leaking?	OK		
12	#7 and #8 base charging drain tote	Level of tote/ Emptied Yes or No	4/3 NO		
13	No. 8 Rx. Rupture disc pressure	Should be 0 psig.	0		
14	No. 8 Rx seal oil	Level in sight glass.	1/2		
15	No. 8 Rx seal nitrogen	Greater than 100 psig.	100		
16	No. 8 Init. seal oil	Level in sight glass	1/2		
17	No. 8 Init. seal nitrogen	Greater than 110 psig.	114		
18	Water flow to:(Flow indicated in sight glass)	No. 8 Init. seals	OK		
		No. 8 Rect. Seals (outlet pipe west side rx)	OK		
		No. 8 Gyrol cooler	OK		

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Date: 7-20-09 **Operator. Initials:** JL

#8 OPERATOR

	Item	Check	Days	Nights	Comments
19	Thermal Ox. – Air Monitoring Yokagawa Strip Chart in Control Rm.	Does it have paper?	Y		
		Make sure the power is on.	Y		
		Is Paper Jammed? (Y/N)	N		
		Is Start Button Green? (Y/N)	Y		
		Results Legible and Clear? (Y/N)	Y		
		If Problem, was Maintenance Notified? (Y/N)	NA		

NOTE: FULL DRUMS MUST BE TRANSPORTED TO HAZARDOUS WASTE STORAGE AREA WITHIN 3 DAYS AFTER FILLING (EXCLUDING HOLIDAYS).

INSPECT LISTED AGITATOR SEALS & PUMP SEALS FOR ANY INDICATION OF LIQUIDS DRIPPING FROM THE SEAL.

BASF Corporation	Title:	Daily Operations Inspection Checklist	
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Date: 7-20-09 Operator Initials: JL

#9 OPERATOR

	Item	Check	Days	Nights	Comments
1	Small Britesorb dump box.	Empty?	Y		
		Free of leaks or evidence of leaking?	OK		
		If box is under funda, Is the lid down?	OK		
		Area is clean and clear of ANY spilled material?	OK		
		Filter cake Under No.8 & 9 Funda & No. 8 Sparkler	OK		
2	All 5 gallon pails in process area correctly labeled	Yes or No (If NO, please label)	N/A		
3	#9 Initiator base charging tote	Level of tote/ Emptied Yes or No	1/8		
4	No. 9 Init. jet decanter	Drained?	Y		
5	No. 9 Rx jet decanter	Drained and Purged EACH Shift?	Y		
6	No. 9 Init. Agitator Seal	Level in sight glass			

Please drain and purge with steam EVERY shift! It is known that polymer will build up in decanter and the sight glass will indicate empty!

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INSPECT LISTED AGITATOR SEALS & PUMP SEALS FOR ANY INDICATION OF LIQUIDS DRIPPING FROM THE SEAL.

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Date: 7-20-09 Operator Initials: JL

#10 OPERATOR

	Item	Check	Days	Nights	Comments
1	Eyewash Busch building	Proper flow & temperature & alarm	OK	N/A	
2	Busch rupture disc pres.	Should be 0 psig. Enter MJ if disc has failed.	0	N/A	
3	#10 Rx rupture disc pres.	Should be 0 psig. Enter MJ if disc has failed.	0	N/A	
4	#10 Rx Agitator Seal Pres.	Should be 15 psig	[redacted]		
5	#10 Rx Agitator Seal Level	Should be visible	[redacted]		N2 TO SEAL POT
6	Eyewash - Deck by VB tank	Proper flow	[redacted] OK		TURNED OFF LEAKING THRU
7	9 hold agitator	Seal level (1/4,1/2, Full)	—		INTO RX
8	Eyewash by sulfuric acid tank	Proper, flow, temperature & alarm	OK		
9	Eyewash by #9 Init. Charging	Proper flow & temperature & alarm	OK		
10	#9 Trench valve	Should be CLOSED	C		
11	#10 Trench valve	Should be CLOSED	C		
12	No 9 Hold Tank pump seal pot pressure	Pressure should be between 200-230 psig	215		
13	9 Hold pump	Seal pot level (1/2,1/4,etc.)	3/4		
14	9 Flash pump	Seal pot level (1/2,1/4,etc.)	3/4		
15	No 9 flash tank pump seal pot pressure	Pressure should be between 200-230 psig	190		
16	Eyewash by graft pumpout header	Proper flow & temperature & alarm	OK		
17	Eyewash by truck load	Proper flow & temperature & alarm	OK		
18	Eyewash by Tk-526	Proper flow & temperature & alarm	OK		
19	Outlet Temp. on Busch Pumps (Check on Midnights) ***SEE NOTE***	Should be 100-160°F	A / B	C	D / E / F
20	Busch pump A in Busch room	Any indication of liquid dripping from seal?	NO		
21	Busch pump B in Busch room	Any indication of liquid dripping from seal?			
22	Busch pump C in Busch room	Any indication of liquid dripping from seal?			
23	Busch pump F in Busch room	Any indication of liquid dripping from seal?			
24	Busch pump E in Busch room	Any indication of liquid dripping from seal?			
25	Busch pump D in Busch room	Any indication of liquid dripping from seal?			
26	P-510A monomer mix tank pump	Any indication of liquid dripping from seal?			
27	P-510 mixed monomer tank pump	Any indication of liquid dripping from seal?			

NOTE: FULL DRUMS MUST BE TRANSPORTED TO HAZARDOUS WASTE STORAGE AREA WITHIN 3 DAYS AFTER FILLING (EXCLUDING HOLIDAYS).

INSPECT LISTED AGITATOR SEALS & PUMP SEALS FOR ANY INDICATION OF LIQUIDS DRIPPING FROM THE SEAL.

NOTE: MANY ITEMS ON THIS CHECKLIST ARE LEGAL REQUIREMENTS. IT IS MANDATORY THAT THIS CHECKLIST IS FILLED OUT COMPLETELY, AND RETURNED TO THE OPERATIONS SUPERVISOR FOR FILING. RECORDS ARE KEPT FOR 5 YEARS.

Date: 7-20-09 Operator Initials: JL

#10 OPERATOR

	Item	Check	Days	Nights	Comments
28	P-525	Any indication of liquid dripping from seal?	NO		
29	P-529	Any indication of liquid dripping from seal?			
30	P-528 CGR Pump	Any indication of liquid dripping from seal?			
31	P-413C recycled monomer pump	Any indication of liquid dripping from seal?			

***If #10RX and PCGR are down leave one busch pump running and shut down the remaining pumps. Rotate that pump to a different pump every four hours.**

REVISIONS

1. Update title and number of document. Deniz Hinz 6/18/08
2. Add Monomer pumps to the inspection sheet for graft Joel Young 6/18/09

NOTE: FULL DRUMS MUST BE TRANSPORTED TO HAZARDOUS WASTE STORAGE AREA WITHIN 3 DAYS AFTER FILLING (EXCLUDING HOLIDAYS).

INSPECT LISTED AGITATOR SEALS & PUMP SEALS FOR ANY INDICATION OF LIQUIDS DRIPPING FROM THE SEAL.

BASF Corporation	Title:	Daily Operations Inspection Checklist	
Wya Polyol Plant	No.:	WYP0213	Page 1 of 11

NOTE: MANY ITEMS ON THIS CHECKLIST ARE LEGAL REQUIREMENTS. IT IS MANDATORY THAT THIS CHECKLIST IS FILLED OUT COMPLETELY, AND RETURNED TO THE OPERATIONS SUPERVISOR FOR FILING. RECORDS ARE KEPT FOR 7 YEARS.

Date: 7/13/09 Days Operator: JG Supervisor: L.O.

Nights Operator: _____ Supervisor: _____

#7 OPERATOR

	Item	Check	Days	Nights	Comments
1	Emergency radio set on SCAN mode	Should be set on SCAN mode to monitor the Emergency Channel	OK		
2	Emergency radio volume	Volume should be turned on	OK		
3	Confirm that the radios of the Shift Leader and Tank Farm Area Leader are in the SCAN mode.	Should be set on SCAN mode to monitor the Emergency Channel	OK		
4	Control Room pressure	Pressure greater than 0.1"	.105		
5	Air moisture analyser	Record moisture content (Should be less than -90)	-73		
6	Steam pressure	Greater than 105 psig. & stable	113		
7	Battery backup for temp. Indicator	Should be 24-30 volts	24.7		
8	General Monitors-#2 Plant	No alarms/no malfunctions	NONE		
9	Instrument air pressure	90 psig. & stable	96.8		
10	River water pressure	Greater than 65 psig. & stable	88		
11	Busch Glycol Storage level	Greater than 50%	59%		
12	Busch Glycol Storage Temp.	Should be > 120 °F	140°		
13	TK526 Temp (Mercaptan)	Should be 50-150°F.	108°		
14	TDA storage level	Level should be greater than 30,000lbs	N/A	N/A	
15	EO Transfer Pump	Using P-101B2? If no report to coordinator	OK		
16	PO Transfer Pump	Using P-101C2? If no report to coordinator	OK		
17	Battery backup	Ready light on?	OK		
18	Survive Air packs (Control Room)	Should be two cleaned and available	OK	N/A	
19	TDA recycle	Flowing	N/A		
20	Eyewash pressure	Greater than 60 psig.	68		
21	TMP recycle	Flowing?	OK		
22	No 7 jet decanter waste **(Satellite)**	Drained and spill free	No/yes		
		Labeled as Jet Decanter Waste?	yes		
		Full & Dated?	No		
		Grounded?	OK		

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BASF Corporation	Title:	Daily Operations Inspection Sheet	
Wya Polyol Plant	No.:	WYP0213	Page 2 of 11

Date: 7/13/09 Operator. Initials: JG

#7 OPERATOR

	Item	Check	Days	Nights	Comments
23	Sulfuric Acid Dike	Is the Dike Empty (Y/N)?	NO		
		If Not, Did You Empty (Y/N)?	NO		
		What Time was Dike Emptied:	N/A		
		If Yes, What is the pH?	N/A		
		If Yes, What is the Color?	N/A		
		Qty of Phases in Standing Water Sample?	N/A		
24	Eyewash pad by No. 7 RX	Proper flow, temperature & alarm	OK	N/A	
25	#7 & #8 Trench valve	Should be CLOSED	OPEN		
26	Dust/Vapor collector drain drum by #7 RX. Emptied? (Yes or No)	Drum level (1/4, ½. Etc.)	N/A		
27	All 5-gallon pails in process area correctly labeled?	Yes or No (If NO, please label)	N/A		
28	Hazardous Waste **Accumulation Area #6**	Drum Level (1/4, 1/2, etc)	1/2		
		Drained?	yes		
		Area spill free?	yes		
		Labeled as monomer waste?	yes		
		Record the date on the label of drum:	Date 7/7/09	Date	
		Is the date on the label <45 days:	yes		
		Does Drum need to be changed out?	no		
		Free of leaks or evidence of leaking?	OK		
		Free of dents, dings, bulging, creasing, etc?	OK		
		Grounded?	OK		
	A-405B 7Reactor	Any indication of liquids dripping from seal? (yes or no)			

NOTE: FULL DRUMS MUST BE TRANSPORTED TO HAZARDOUS WASTE STORAGE AREA WITHIN 3 DAYS AFTER FILLING (EXCLUDING HOLIDAYS).

BASF Corporation	Title:	Daily Operations Inspection Checklist	
Wya Polyol Plant	No.:	WYP0213	Page 3 of 11

Date: 7/13/09 Operator. Initials: [illegible]

#7 OPERATOR

	Item	Check	Days	Nights	Comments
	A-405C 8Reactor	Any indication of liquids dripping from seal? (yes or no)			
	A-408C 8Initiator	Any indication of liquids dripping from seal? (yes or no)			
	A-530 9Initiator	Any indication of liquids dripping from seal? (yes or no)			
	A-405D 9Reactor	Any indication of liquids dripping from seal? (yes or no)			
	VP-151 vacuum pump near D-151B in jet room	Any indication of liquids dripping from seal? (yes or no)			
	P-151A north of D-151B in jet room	Any indication of liquids dripping from seal? (yes or no)			
	P-405 bottom of TK-405D 9Reactor east of knock-out pot	Any indication of liquids dripping from seal? (yes or no)			
	VP-150 vacuum pump near D-150B in jet room	Any indication of liquids dripping from seal? (yes or no)			
	P-150A west of D-150B in jet room	Any indication of liquids dripping from seal? (yes or no)			
	VP-530D vacuum pump near S-530DB in jet room	Any indication of liquids dripping from seal? (yes or no)			
	P-530DB south of S-530DB in jet room	Any indication of liquids dripping from seal? (yes or no)			
	VP-405D vacuum pump near S-405D in jet room	Any indication of liquids dripping from seal? (yes or no)			
	P-405D south of S-405D in jet room	Any indication of liquids dripping from seal? (yes or no)			
	P-151 west of TK-151 9Reactor vacuum condensate collection tank at ground level	Any indication of liquids dripping from seal? (yes or no)			
	P-153B west of TK-403D scrubber recirculation tank	Any indication of liquids dripping from seal? (yes or no)			
	P-153A west of TK-403D scrubber recirculation tank	Any indication of liquids dripping from seal? (yes or no)			

NOTE: FULL DRUMS MUST BE TRANSPORTED TO HAZARDOUS WASTE STORAGE AREA WITHIN 3 DAYS AFTER FILLING (EXCLUDING HOLIDAYS).

INSPECT LISTED AGITATOR SEALS & PUMP SEALS FOR ANY INDICATION OF LIQUIDS DRIPPING FROM THE SEAL.

BASF Corporation	Title:	Daily Operations Inspection Sheet	
Wya Polyol Plant	No.:	WYP0213	Page 4 of 11

Date: 7/13/09 Operator. Initials: JG

#7 OPERATOR

	Item	Check	Days	Nights	Comments
29	Hazardous Waste **Accumulation Area #7**	Drum Level (1/4, 1/2, etc)	1/5		
		Drained?	yes		
		Area spill free?	yes		
		Labeled as monomer waste?	yes		
		Record the date on the label of drum:	Date 6/3/09	Date	
		Is the date on the label <45 days:	yes		
		Does Drum need to be changed out?	NO		
		Free of leaks or evidence of leaking?	OK		
		Free of dents, dings, bulging, creasing, etc?	OK		
		Grounded?	OK		
30	Hazardous Waste **Accumulation Area #8**	Drum Level (1/4, 1/2, etc)	1/2		
		Drained?	yes		
		Area spill free?	yes		
		Labeled as monomer waste?	yes		
		Record the date on the label of drum:	Date 7/7/09	Date	
		Is the date on the label <45 days:	yes		
		Does Drum need to be changed out?	NO		
		Free of leaks or evidence of leaking?	OK		
		Free of dents, dings, bulging, creasing, etc?	OK		
		Grounded?	OK		
31	Hazardous Waste **Accumulation Area #9**	Drum Level (1/4, 1/2, etc)	Full / MT		
		Drained?	yes		
		Area spill free?	yes		
		Labeled as monomer waste?	yes		
		Record the date on the label of drum:	Date 7/13/09	Date	
		Is the date on the label <45 days:	yes		
		Does Drum need to be changed out?	yes / NO		1 drum
		Free of leaks or evidence of leaking?	OK		
		Free of dents, dings, bulging, creasing, etc?	OK		
		Grounded?	OK		

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BASF Corporation	Title:	Daily Operations Inspection Sheet	
Wya Polyol Plant	No.:	WYP0213	Page 5 of 11

Date: 2/13/09 Operator. Initials: JJ

#7 OPERATOR

	Item	Check	Days	Nights	Comments
32	Hazardous Waste **Accumulation Area #4**	Drum Level (1/4, 1/2, etc)	Full / MT		
		Drained?	yes		
		Area spill free?	yes		
		Labeled as monomer waste?	yes		
		Record the date on the label of drum:	Date 7/13/9	Date	
		Is the date on the label <45 days:	yes		
		Does Drum need to be changed out?	~~yes~~ / no		/ drum
		Free of leaks or evidence of leaking?	OK		
		Free of dents, dings, bulging, creasing, etc?	OK		
		Grounded?	OK		
33	Hazardous Waste **Accumulation Area #5**	Drum Level (1/4, 1/2, etc)	2/3		
		Drained?	yes		
		Area spill free?	yes		
		Labeled as monomer waste?	yes		
		Record the date on the label of drum:	Date 6/30/09	Date	
		Is the date on the label <45 days:	yes		
		Does Drum need to be changed out?	no		
		Free of leaks or evidence of leaking?	OK		
		Free of dents, dings, bulging, creasing, etc?	OK		
		Grounded?	OK		
34	Hazardous Waste Satellite Area #11	Drum Level (1/4, 1/2, etc)	Full / MT		
		Drained?	yes		
		Area spill free?	yes		
		Labeled as monomer waste?	yes		
		Changed and dated if full?	~~yes~~ / no		/ drum
		Free of leaks or evidence of leaking?	OK		
		Free of dents, dings, bulging, creasing, etc?	OK		
		Grounded?	OK		

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BASF Corporation	Title:	Daily Operations Inspection Checklist	
Wya Polyol Plant	No.:	WYP0213	Page 6 of 11

Date: 7/13/09 Operator. Initials: [illegible]

#7 OPERATOR

	Item	Check	Days	Nights	Comments
35	Containment Tote for Busch Pump Room Floor Drain	Tote empty?	yes		
		If not empty, determine what is inside. If just water from washing Busch pump room, then can empty into trench. If ethylene glycol, used oil, or unknown / unsure, contact Operations Engineer.	N/A		
		Area spill free?	OK		
		Labeled as wastewater?	OK		
		Free of leaks or evidence of leaking?	OK		
		Free of dents, dings, bulging, creasing, etc?	OK		
36	Satellite Area Supplies	One pallet of new drums available?	N/A		
		Ionol supply adequate?	yes		
37	No. 7 Rx. Oil seal	Level in sight glass	7/8		
38	No. 7 Rx. Nitrogen seal	Greater than 100 psig.	106		
39	Water flow to: (Flow indicated in sight glass)	No. 7 reactor seal	OK		
		No. 7 Gyrol cooler	OK		
40	-408Water scrubber flow rate. Flow rate of water through T-408 in jet room	Greater than 50 gpm	93.3		

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INSPECT LISTED AGITATOR SEALS & PUMP SEALS FOR ANY INDICATION OF LIQUIDS DRIPPING FROM THE SEAL.

BASF Corporation	Title:	Daily Operations Inspection Checklist	
Wya Polyol Plant	No.:	WYP0213	Page 7 of 11

NOTE: MANY ITEMS ON THIS CHECKLIST ARE LEGAL REQUIREMENTS. IT IS MANDATORY THAT THIS CHECKLIST IS FILLED OUT COMPLETELY, AND RETURNED TO THE OPERATIONS SUPERVISOR FOR FILING. RECORDS ARE KEPT FOR 5 YEARS.

Date: 7/13/09 Operator. Initials: [illegible]

#8 OPERATOR

	Item	Check	Days	Nights	Comments
1	Eyewash- Niko Tank	Proper flow, temperature & alarm	N/A		
2	No. 8 Init. Jet decanter	Drained?	NO		
3	Purge water under #8 press	Is it ON? (should be OFF if using funda)			
4	Eyewash by safety room	Proper flow, temperature & alarm	N/A		
5	Dust collector bag level (%)	Should be < 75% (empty as needed)	N/A		
6	Busch Pump Oil tank	Dike is free of spills. No evidence of any leaks.	OK		
7	No. 2 Plant Warehouse Product and Raw material Drums and Bags in.	Warehouse is free of leaking drums and spilled / torn bags.	OK		
8	#8 Reactor jet decanter level	Report Level Drained (Yes or No)	NO		
9	Vazo Room- Floor is clear of pallets and plastic or other debris.	If NO (Please clean up)	OK		
10	All 5-gal pails in process area correctly labeled	Yes or No (If NO, please label)	N/A		
11	Britesorb Roll Off boxes	Cover closed?	NO		
		Sufficient water level in box?	OK		
		Area spill free?	OK		
		Box needs emptying?	5 BOX		
		If < 2 boxes need emptying, report to foreman. (Save waste $$)	N/A		
		Labeled with dated non-hazardous waste label?	OK		
		PH value? (Monday and Thursday only)	N/A		
		Free of leaks or evidence of leaking?	OK		
12	#7 and #8 base charging drain tote	Level of tote/ Emptied Yes or No	2/3 NO		
13	No. 8 Rx. Rupture disc pressure	Should be 0 psig.	0		
14	No. 8 Rx seal oil	Level in sight glass	1/2		
15	No. 8 Rx seal nitrogen	Greater than 100 psig.	120		
16	No. 8 Init. seal oil	Level in sight glass	1/2		
17	No. 8 Init. seal nitrogen	Greater than 110 psig.	116		
18	Water flow to:(Flow indicated in sight glass)	No. 8 Init. seals	OK		
		No. 8 Rect. Seals (outlet pipe west side rx)	OK		
		No. 8 Gyrol cooler	OK		

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INSPECT LISTED AGITATOR SEALS & PUMP SEALS FOR ANY INDICATION OF LIQUIDS DRIPPING FROM THE SEAL.

BASF Corporation	Title:	Daily Operations Inspection Checklist	
Wya Polyol Plant	No.:	WYP0213	Page 8 of 11

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Date: 2/13/09 Operator. Initials: [illegible]

#8 OPERATOR

	Item	Check	Days	Nights	Comments
19	Thermal Ox. – Air Monitoring Yokagawa Strip Chart in Control Rm.	Does it have paper?	yes		
		Make sure the power is on.	yes		
		Is Paper Jammed? (Y/N)	no		
		Is Start Button Green? (Y/N)	yes		
		Results Legible and Clear? (Y/N)	yes		
		If Problem, was Maintenance Notified? (Y/N)	N/A *		

* PAT KECK PUT NEW ROLL IN

NOTE: FULL DRUMS MUST BE TRANSPORTED TO HAZARDOUS WASTE STORAGE AREA WITHIN 3 DAYS AFTER FILLING (EXCLUDING HOLIDAYS).

INSPECT LISTED AGITATOR SEALS & PUMP SEALS FOR ANY INDICATION OF LIQUIDS DRIPPING FROM THE SEAL.

BASF Corporation	Title:	Daily Operations Inspection Checklist	
Wya Polyol Plant	No.:	WYP0213	Page 9 of 11

Date: 2/13/09 Operator Initials: [illegible]

#9 OPERATOR

	Item	Check	Days	Nights	Comments
1	Small Britesorb dump box.	Empty?	[illegible]		
		Free of leaks or evidence of leaking?	OK		
		If box is under funda, Is the lid down?	OK		
		Area is clean and clear of ANY spilled material?	OK		
		Filter cake Under No.8 & 9 Funda & No. 8 Sparkler	OK		
2	All 5 gallon pails in process area correctly labeled	Yes or No (If NO, please label)	N/A		
3	#9 Initiator base charging tote	Level of tote/ Emptied Yes or No	MT		
4	No. 9 Init. jet decanter	Drained?	NO		
5	No. 9 Rx jet decanter	Drained and Purged EACH Shift?	NO		
6	No. 9 Init. Agitator Seal	Level in sight glass	DRY		

Please drain and purge with steam EVERY shift! It is known that polymer will build up in decanter and the sight glass will indicate empty!

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INSPECT LISTED AGITATOR SEALS & PUMP SEALS FOR ANY INDICATION OF LIQUIDS DRIPPING FROM THE SEAL.

BASF Corporation	Title:	Daily Operations Inspection Checklist	
Wya Polyol Plant	No.:	WYP0213	Page 10 of 11

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Date: 7/13/09 Operator Initials: [illegible]

#10 OPERATOR

	Item	Check	Days	Nights	Comments
1	Eyewash Busch building	Proper flow & temperature & alarm		N/A	
2	Busch rupture disc pres.	Should be 0 psig. Enter MJ if disc has failed.	0	N/A	
3	#10 Rx rupture disc pres.	Should be 0 psig. Enter MJ if disc has failed.	0	N/A	
4	#10 Rx Agitator Seal Pres.	Should be 15 psig	9		
5	#10 Rx Agitator Seal Level	Should be visible	7/8		
6	Eyewash - Deck by VB tank	Proper flow			
7	9 hold agitator	Seal level (1/4,1/2, Full)	cant read		
8	Eyewash by sulfuric acid tank	Proper, flow, temperature & alarm	DNC		
9	Eyewash by #9 Init. Charging	Proper flow & temperature & alarm	DNC		
10	#9 Trench valve	Should be CLOSED	ok		
11	#10 Trench valve	Should be CLOSED	ok		
12	No 9 Hold Tank pump seal pot pressure	Pressure should be between 200-230 psig	210		
13	9 Hold pump	Seal pot level (1/2,1/4,etc.)	7/8		
14	9 Flash pump	Seal pot level (1/2,1/4,etc.)	7/8		
15	No 9 flash tank pump seal pot pressure	Pressure should be between 200-230 psig	180		
16	Eyewash by graft pumpout header	Proper flow & temperature & alarm	DNC		
17	Eyewash by truck load	Proper flow & temperature & alarm	DNC		
18	Eyewash by Tk-526	Proper flow & temperature & alarm	DNC		
19	Outlet Temp. on Busch Pumps (Check on Midnights) ***SEE NOTE***	Should be 100-160°F	A / B	C / D	E / F
20	Busch pump A in Busch room	Any indication of liquid dripping from seal?	D		
21	Busch pump B in Busch room	Any indication of liquid dripping from seal?			
22	Busch pump C in Busch room	Any indication of liquid dripping from seal?			
23	Busch pump F in Busch room	Any indication of liquid dripping from seal?	N/A		
24	Busch pump E in Busch room	Any indication of liquid dripping from seal?	N/A		
25	Busch pump D in Busch room	Any indication of liquid dripping from seal?			
26	P-510A monomer mix tank pump	Any indication of liquid dripping from seal?			
27	P-510 mixed monomer tank pump	Any indication of liquid dripping from seal?			

NOTE: FULL DRUMS MUST BE TRANSPORTED TO HAZARDOUS WASTE STORAGE AREA WITHIN 3 DAYS AFTER FILLING (EXCLUDING HOLIDAYS).

INSPECT LISTED AGITATOR SEALS & PUMP SEALS FOR ANY INDICATION OF LIQUIDS DRIPPING FROM THE SEAL.

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Date: 7/13/09 Operator Initials: JY

#10 OPERATOR

	Item	Check	Days	Nights	Comments
28	P-525	Any indication of liquid dripping from seal?			
29	P-529	Any indication of liquid dripping from seal?	DNE		
30	P-528 CGR Pump	Any indication of liquid dripping from seal?			
31	P-413C recycled monomer pump	Any indication of liquid dripping from seal?			

***If #10RX and PCGR are down leave one busch pump running and shut down the remaining pumps. Rotate that pump to a different pump every four hours.**

REVISIONS

1. Update title and number of document. Deniz Hinz 6/18/08
2. Add Monomer pumps to the inspection sheet for graft Joel Young 6/18/09

NOTE: FULL DRUMS MUST BE TRANSPORTED TO HAZARDOUS WASTE STORAGE AREA WITHIN 3 DAYS AFTER FILLING (EXCLUDING HOLIDAYS).

INSPECT LISTED AGITATOR SEALS & PUMP SEALS FOR ANY INDICATION OF LIQUIDS DRIPPING FROM THE SEAL.

BASF Corporation	Title:	Hazardous Waste Satellite Storage Log		
Wya Polyol Plant	No.:	WYP0222	Page:	1 of 4

WASTE SATELLITE STORAGE AREA - INSPECTION/TRANSFER LOG

RETURN COMPLETED LOG TO SUPERVISOR TO BE FILED IN THE POLYOL DOCUMENT CENTER

SITE WASTE WARHOUSE HOURS MONDAY/WEDNESDAY 1-2PM, FRIDAY 10-11 AM

DATE: 7-6-09 TIME: 12:30 INSPECTED BY (PRINT FULL NAME): TODD J DUPERRON

[illegible]	DESCRIPTION	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2	#7 Jet Decanter Waste (W-035)	Y	Y	Y	Y	2/3	Y	Y	N	Ø
1	Neutralized MDI Waste (W-067)	Y	Y	Y	Y	1/2	Y	Y	N	Ø
11	Monomer Waste (W-010)	Y	Y	Y	Y	1/2	Y	Y	N	Ø
12	Neutralized TDI Waste (W-068)	Y	Y	Y	Y	1/2	Y	Y	N	Ø
13	Sugar/Pent/Polyol (A-645)	Y	Y	Y	Y	2/3	Y	Y	N	Ø
14	Waste TDA (W-009)					N/A				
15	Waste Toluene Filters (#3BB for carbon beds) (W-799)	Y	Y	Y	Y	1/3	Y	Y	N	Ø
	Used Oil (A-603-08) Flammable Shed Maintence Pad	Y	Y	Y	Y	1/2	Y	Y	N	Ø
	Polyol QA Waste (W-760) (Will be inside of retain room)	Y	Y	Y	Y	1/2	Y	Y	N	Ø
	Crushed Glass (A-616) (Will be inside of retain room)	Y	Y	Y	Y	1/2	Y	Y	N	Ø
	Waste Aerosols (W-904) In Maintence Shop	Y	Y	Y	Y	1/2	Y	Y	N	Ø

WASTE TRANSFERS / COMMENTS (PLEASE LOG ALL TRANSFERS WITH INDIVIDUAL CONTAINER WEIGHTS IN POUNDS

HAZARDOUS WASTE < 90 DAY ACCUMULATIONS STORAGE AREA - INSPECTION/TRANSFER LOG
RETURN COMPLETED LOG TO SUPERVISOR TO BE FILED IN THE POLYOL DOCUMENT CENTER

BASF Corporation	Title:	Hazardous Waste Satellite Storage Log		
Wya Polyol Plant	No.:	WYP0222	Page:	3 of 4

HAZARDOUS WASTE < 90 DAY ACCUMULATIONS STORAGE AREA - INSPECTION/TRANSFER LOG
RETURN COMPLETED LOG TO SUPERVISOR TO BE FILED IN THE POLYOL DOCUMENT CENTER
SITE WASTE WARHOUSE HOURS MONDAY/WEDNESDAY 1-2PM, FRIDAY 10-11 AM

DATE: 7-6-09 TIME: 12:30 INSPECTED BY (PRINT FULL NAME): TODD J. DUPERRON

CONTAINER NUMBER	DESCRIPTION	RECORD THE DATE OFF THE LABEL. IS IT <45 DAYS OLD?	LEAKS AND SPILLS?	DRUMS CLEAN?	LIST LOCATION	DRUMS CONTAINED?	CONTAINERS INCHES CLOSED?	LIDS NEAT DRUMS?	CONTAINERS TRANSFERRED TO SITE SHIPPING
4	Monomer Waste (W-010)	Date: 7-2-09	Y	Y	2/3	Y	Y	Y	1
5	Monomer Waste (W-010)	Date: 6-30-09	Y	Y	1/3	Y	Y	N	Ø
6	Monomer Waste (W-010)	Date: 6-24-09	Y	Y	1/3	Y	Y	Y	Ø
7	Monomer Waste (W-010)	Date: 6-3-09	Y	Y	1/2	Y	Y	Y	Ø
8	Monomer Waste (W-010)	Date: 6-18-09	Y	Y	1/3	Y	Y	N	Ø
9	Monomer Waste (W-010)	Date: 6-21-09	Y	Y	1/3	Y	Y	N	Ø

WASTE TRANSFERS / COMMENTS (PLEASE LOG ALL TRANSFERS WITH INDIVIDUAL CONTAINER WEIGHTS IN POUNDS)

BASF Corporation	Title:	Hazardous Waste Satellite Storage Log		
Wya Polyol Plant	No.:	WYP0222	Page:	3 of 4

HAZARDOUS WASTE < 90 DAY ACCUMULATIONS STORAGE AREA - INSPECTION/TRANSFER LOG
RETURN COMPLETED LOG TO SUPERVISOR TO BE FILED IN THE POLYOL DOCUMENT CENTER
SITE WASTE WARHOUSE HOURS MONDAY/WEDNESDAY 1-2PM, FRIDAY 10-11 AM

DATE: 7-6-09 TIME: 12:30 INSPECTED BY (PRINT FULL NAME): TODD J. DUPERRON

AREA NO.	DESCRIPTION	START DATE ON LABEL IS <11 MONTHS	LABELS OK?	SPILL FREE?	LEAK FREE?	DRUMS CLEAN?	EST. LEVEL	CONTAINER'S PROPERLY CLOSED?	PLACED NEW DRUM?	# OF DRUMS TRANSFERRED TO SITE STORAGE?
1	Waste Batteries (U-800) Supervisor's Office **(Dispose of >11 months)**	Y	Y	TO 1/16 Y	Y	Y	1/16	Y	N	Ø
2	Waste Batteries (U-800) Maintenance Shop **(Dispose of >11 months)**	Y	Y	TO 1/22 Y	Y	Y	1/2	Y	N	Ø

WASTE TRANSFERS / COMMENTS (PLEASE LOG ALL TRANSFERS WITH INDIVIDUAL CONTAINER WEIGHTS IN POUNDS)

BASF Corporation	Title:	Daily Operations Inspection Checklist	
Wya Polyol Plant	No.:	WYP0213	Page 1 of 8

NOTE: MANY ITEMS ON THIS CHECKLIST ARE LEGAL REQUIREMENTS. IT IS MANDATORY THAT THIS CHECKLIST IS FILLED OUT COMPLETELY, AND RETURNED TO THE OPERATIONS SUPERVISOR FOR FILING. RECORDS ARE KEPT FOR 5 YEARS.

Date: 9-28-09 Days Operator: _____ Supervisor: _____

Nights Operator: _____ Supervisor: DAF

Item	Check	Days	Nights	Comments
Emergency radio set on SCAN mode	Record status. Should be set on SCAN mode to monitor the Emergency Channel		OK	
Emergency radio volume	Record status. Volume should be turned "on"		ON	
Confirm that the radios of the Shift Leader and Tank Farm Area Leader are in the SCAN mode.	Record status. Should be set on SCAN mode to monitor the Emergency Channel.		OK	
Control Room pressure	Record pressure. Should be > 0.1"		.05	
Air moisture analyser	Record moisture content. Should be < -90, i.e. -95, -100, etc		-61	
Steam pressure	Record pressure. Should be > 105 psig. & stable		119	
Battery backup for temp. Indicator	Record voltage. Should be 24-30 volts		25.2	
General Monitors-#2 Plant	Record status. No alarms/no malfunctions		NONE	
Instrument air pressure	Record pressure. Should be > 90 psig. & stable		105	
River water pressure	Record pressure. Should be > 65 psig. & stable		92	
Busch Glycol Storage level	Record level. Should be > 50%		65	
Busch Glycol Storage Temp.	Record temp. Should be > 140 °F		125	
TK526 Temp (Mercaptan)	Record temp. Should be 50-150°F.		116	
EO Transfer Pump	Using P-101B2? (Yes/No) If no report to coordinator		Y	
PO Transfer Pump	Using P-101C2? (Yes/No) If no report to coordinator		Y	
Battery backup	Ready light on? (Yes/No)		ON	
Survive Air packs (Control Room)	Two cleaned and available? (Yes/No)		N/A	
Eyewash pressure	Record pressure. Should be > 60 psig.		OK	
TMP recycle	Flowing? (Yes/No)		Y	
No 7 jet decanter waste **(Satellite)**	Drained and spill free? (Yes/No)		Y	
	Labeled as Jet Decanter Waste? (Yes/No)		Y	
	Full & Dated? (Yes/No)		Y	
	Grounded? (Yes/No)		Y	
Sulfuric Acid Dike	Is the Dike Empty? (Yes/No)		Y	
	If Not, Did You Empty? (Yes/No)		NO	
	What Time was Dike Emptied?		N/A	

BASF Corporation	Title:	Daily Operations Inspection Checklist	
Wya Polyol Plant	No.:	WYP0213	Page 2 of 8

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Date: 9-28-09 Days Operator: _____ Supervisor: DAF

Nights Operator: _____ Supervisor: _____

Item	Check	Days	Nights	Comments
	If Yes, What is the pH?		N/A	
	If Yes, What is the Color?		N/A	
	# of Phases in Standing Water Sample? (1/2/NA)		N/A	
Eyewash pad by No. 7 RX	Proper flow, temperature & alarm? (Yes/No)		N/A	
#7 & #8 Trench valve	CLOSED? (Yes/No)		N	
Dust/Vapor collector drain drum by #7 RX. Emptied? (Yes/No)	Drum level (1/4, ½. Etc.)	N/A	2/3	
All 5-gallon pails in process area correctly labeled?	Yes or No? (If NO, please label)	N/A	Y	
Hazardous Waste **Accumulation Area #6**	Drum Level (1/4, 1/2, etc)		2/3	
	Drained? (Yes/No)		Y	
	Area spill free? (Yes/No)		Y	
	Labeled as monomer waste? (Yes/No)		Y	
	Record the date on the label of drum:	Date	Date 9-25	
	Is the date on the label <45 days: (Yes/No)		Y	
	Does Drum need to be changed out? (Yes/No)		N	
	Free of leaks or evidence of leaking? (Yes/No)		Y	
	Free of dents, dings, bulging, creasing, etc? (Yes/No)		Y	
	Grounded? (Yes/No)		Y	
A-405B 7Reactor	Any indication of liquids dripping from seal? (Yes/No)		N	
A-405C 8Reactor	Any indication of liquids dripping from seal? (Yes/No)		N	
A-408C 8Initiator	Any indication of liquids dripping from seal? (Yes/No)		N	
A-530 9Initiator	Any indication of liquids dripping from seal? (Yes/No)		N	
A-405D 9Reactor	Any indication of liquids dripping from seal? (Yes/No)		N	
VP-151 vacuum pump near D-151B in jet room	Any indication of liquids dripping from seal? (Yes/No)		N	
P-151A north of D-151B in jet room	Any indication of liquids dripping from seal? (Yes/No)		N	
P-405 bottom of TK-405D 9Reactor east of knock-out pot	Any indication of liquids dripping from seal? (Yes/No)		N	
VP-150 vacuum pump near D-150B in jet room	Any indication of liquids dripping from seal? (Yes/No)		N	

BASF Corporation	Title:	Daily Operations Inspection Checklist	
Wya Polyol Plant	No.:	WYP0213	Page 3 of 8

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Date: 9-28-09 Days Operator: _____ Supervisor: _____

Nights Operator: _____ Supervisor: DAF

Item	Check	Days	Nights	Comments
P-150A west of D-150B in jet room	Any indication of liquids dripping from seal? (Yes/No)		N	
VP-530D vacuum pump near S-530DB in jet room	Any indication of liquids dripping from seal? (Yes/No)		N	
P-530DB south of S-530DB in jet room	Any indication of liquids dripping from seal? (Yes/No)		N	
VP-405D vacuum pump near S-405D in jet room	Any indication of liquids dripping from seal? (Yes/No)		N	
P-405D south of S-405D in jet room	Any indication of liquids dripping from seal? (Yes/No)		N	
P-151 west of TK-151 9Reactor vacuum condensate collection tank at ground level	Any indication of liquids dripping from seal? (Yes/No)		N	
P-153B west of TK-403D scrubber recirculation tank	Any indication of liquids dripping from seal? (Yes/No)		N	
P-153A west of TK-403D scrubber recirculation tank	Any indication of liquids dripping from seal? (Yes/No)		N	
Hazardous Waste **Accumulation** Area #7	Drum Level (1/4, 1/2, etc)		1/4	
	Drained? (Yes/No)		Y	
	Area spill free? (Yes/No)		Y	
	Labeled as monomer waste? (Yes/No)		Y	
	Record the date on the label of drum:	Date	Date 9-25	
	Is the date on the label <45 days? (Yes/No)		Y	
	Does Drum need to be changed out? (Yes/No)		N	
	Free of leaks or evidence of leaking? (Yes/No)		N	
	Free of dents, dings, bulging, creasing, etc? (Yes/No)		Y	
	Grounded? (Yes/No)		Y	
Hazardous Waste **Accumulation** Area #8	Drum Level (1/4, 1/2, etc)		2/3	
	Drained? (Yes/No)		Y	
	Area spill free? (Yes/No)		Y	
	Labeled as monomer waste? (Yes/No)		Y	
	Record the date on the label of drum:	Date	Date 9-28	
	Is the date on the label <45 days? (Yes/No)		Y	
	Does Drum need to be changed out? (Yes/No)		N	
	Free of leaks or evidence of leaking? (Yes/No)		Y	

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Date: 9-28-09 Days Operator: _____ Supervisor: _____

Nights Operator: _____ Supervisor: DAF

Item	Check	Days	Nights	Comments
	Free of dents, dings, bulging, creasing, etc? (Yes/No)		Y	
	Grounded? (Yes/No)		Y	
Hazardous Waste **Accumulation** Area #9	Drum Level (1/4, 1/2, etc)		2/3	
	Drained? (Yes/No)		Y	
	Area spill free? (Yes/No)		Y	
	Labeled as monomer waste? (Yes/No)		Y	
	Record the date on the label of drum:	Date	Date 9-26	
	Is the date on the label <45 days: (Yes/No)		Y	
	Does Drum need to be changed out? (Yes/No)		N	
	Free of leaks or evidence of leaking? (Yes/No)		OK	
	Free of dents, dings, bulging, creasing, etc? (Yes/No)		Y	
	Grounded? (Yes/No)		Y	
Hazardous Waste **Accumulation** Area #4	Drum Level (1/4, 1/2, etc)		1/4	
	Drained? (Yes/No)		Y	
	Area spill free? (Yes/No)		Y	
	Labeled as monomer waste? (Yes/No)		Y	
	Record the date on the label of drum:	Date	Date 9-26	
	Is the date on the label <45 days? (Yes/No)		Y	
	Does Drum need to be changed out? (Yes/No)		N	
	Free of leaks or evidence of leaking? (Yes/No)		Y	
	Free of dents, dings, bulging, creasing, etc? (Yes/No)		Y	
	Grounded? (Yes/No)		Y	
Hazardous Waste **Accumulation** Area #5	Drum Level (1/4, 1/2, etc)		2/3	
	Drained? (Yes/No)		Y	
	Area spill free? (Yes/No)		Y	
	Labeled as monomer waste? (Yes/No)		Y	
	Record the date on the label of drum:	Date	Date 9-25	
	Is the date on the label <45 days? (Yes/No)		Y	
	Does Drum need to be changed out? (Yes/No)		N	
	Free of leaks or evidence of leaking? (Yes/No)		Y	

BASF Corporation	Title:	Daily Operations Inspection Checklist	
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Date: 9-28-09 Days Operator: _____ Supervisor: _____

Nights Operator: _____ Supervisor: DAF

Item	Check	Days	Nights	Comments
	Free of dents, dings, bulging, creasing, etc? (Yes/No)		Y	
	Grounded? (Yes/No)		Y	
Hazardous Waste Satellite Area #11	Drum Level (1/4, 1/2, etc)		2/3	
	Drained? (Yes/No)		Y	
	Area spill free? (Yes/No)		Y	
	Labeled as monomer waste? (Yes/No)		Y	
	Changed and dated if full? (Yes/No)		N/A	
	Free of leaks or evidence of leaking? (Yes/No)		Y	
	Free of dents, dings, bulging, creasing, etc? (Yes/No)		Y	
	Grounded? (Yes/No)		Y	
Containment Tote for Busch Pump Room Floor Drain	Tote empty? (Yes/No)		Y	
	If not empty, determine what is inside. If just water from washing Busch pump room, then can empty into trench. If ethylene glycol, used oil, or unknown / unsure, contact Operations Engineer.		N/A	
	Area spill free? (Yes/No)		Y	
	Labeled as wastewater? (Yes/No)		Y	
	Free of leaks or evidence of leaking? (Yes/No)		OK	
	Free of dents, dings, bulging, creasing, etc? (Yes/No)		Y	
Satellite Area Supplies	One pallet of new drums available? (Yes/No)	N/A	Y	
Ionol supply adequate?	(Yes/No)		Y	
No. 7 Rx. Oil seal	Record level in sight glass		3/4	
No. 7 Rx. Nitrogen seal	Record pressure. Should be > 100 psig.		105	
Water flow to: (Flow indicated in sight glass)	No. 7 reactor seal. Flow visible? (Yes/No)		Y	
No. 7 Gyrol cooler. Flow visible?	(Yes/No)		Y	
-408Water scrubber flow rate. Flow rate of water through T-408 in jet room	Record flowrate. Should be > 50 gpm		59.5	
Eyewash- Niko Tank	Proper flow, temperature & alarm	N/A	OK	
No. 8 Init. Jet decanter	Drained? (Yes/No)		Y	
Purge water under #8 press	Is it ON? (should be OFF if using funda)		ON	
Eyewash by safety room	Proper flow, temperature & alarm	N/A	Y	

BASF Corporation	Title:	Daily Operations Inspection Checklist	
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Date: 9-28-09 Days Operator: _____ Supervisor: _____

Nights Operator: _____ Supervisor: DAF

Item	Check	Days	Nights	Comments
Dust collector bag level (%)	Record level. Should be < 75% (empty as needed)	N/A	OK	
Busch Pump Oil tank	Dike free of spills? No evidence of any leaks? (Yes/No)		OK	
No. 2 Plant Warehouse Product and Raw material Drums and Bags in.	Warehouse is free of leaking drums and spilled / torn bags? (Yes/No)		OK	
#8 Reactor jet decanter level	Report Level Drained (Yes/No)		1/2 N	
Vazo Room- Floor is clear of pallets and plastic or other debris.	(Yes/No) If NO (Please clean up)		Y	
All 5-gal pails in process area correctly labeled	(Yes/No) (If NO, please label)	N/A	Y	
Britesorb Roll Off boxes	Cover closed? (Yes/No)		Y	
	Sufficient water level in box? (Yes/No)		Y	
	Area spill free? (Yes/No)		Y	
	Box needs emptying? (Yes/No)		Y	
	If < 2 boxes need emptying, report to foreman. (Save waste $$)		NO	
	Labeled with dated non-hazardous waste label? (Yes/No)		N/A	
	PH value? (Monday and Thursday only)	N/A	Y	
	Free of leaks or evidence of leaking? (Yes/No)		N/A	
#7 and #8 base charging drain tote	Level of tote/ Emptied? (Yes/No)		Y	
No. 8 Rx. Rupture disc pressure	Record pressure. Should be 0 psig.		0	
No. 8 Rx seal oil	Record level in sight glass. Should be visible		1/2	
No. 8 Rx seal nitrogen	Record pressure. Should be > 100 psig.		105	
No. 8 Init. seal oil	Record level in sight glass. Should be visible		3/4	
No. 8 Init. seal nitrogen	Record pressure. Should be > 110 psig.		105	
Water flow to:(Flow indicated in sight glass)	No. 8 Init. Seals. Visible flow? (Yes/No)		Y	
	No. 8 Rect. Seals (outlet pipe west side rx)Flow visible? (Yes/No)		Y	
	No. 8 Gyrol cooler. Flow visible? (Yes/No)		Y	
Thermal Ox. – Air Monitoring Yokagawa Strip Chart in Control Rm.	Does it have paper? (Yes/No)		Y	
	Record status. Power on? (Yes/No)		ON	
	Is Paper Jammed? (Yes/No)		N	
	Is Start Button Green? (Yes/No)		Y	

BASF Corporation	Title:	Daily Operations Inspection Checklist	
Wya Polyol Plant	No.:	WYP0213	Page 7 of 8

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Date: 9-28-09 Days Operator: _____ Supervisor: _____

Nights Operator: _____ Supervisor: SAF

Item		Check	Days	Nights	Comments
		Results Legible and Clear? (Yes/No)		Y	
		If Problem, was Maintenance Notified? (Yes/No)		N/A	
Small Britesorb dump box.		Empty? (Yes/No)		Y	
		Free of leaks or evidence of leaking? (Yes/No)		Y	
		If box is under funda, Is the lid down? (Yes/No)		Y	
		Area is clean and clear of ANY spilled material? (Yes/No)		Y	
		Filter cake Under No.8 & 9 Funda & No. 8 Sparkler? (Yes/No)		Y	
All 5 gallon pails in process area correctly labeled		(Yes/No) (If NO, please label)	N/A	Y	
#9 Initiator base charging tote		Level of tote/ Emptied (Yes/No)		1/2 N	
No. 9 Init. jet decanter		Drained? (Yes/No)		N	
No. 9 Rx jet decanter		Drained and Purged EACH Shift? (Yes/No)		Y	
No. 9 Init. Agitator Seal		Record Level in sight glass. Should be visible.		3/4	
1	Eyewash Busch building	Proper flow & temperature & alarm? (Yes/No)		N/A	
2	Busch rupture disc pres.	Should be 0 psig. Enter MJ if disc has failed.		N/A	
3	#10 Rx rupture disc pres.	Should be 0 psig. Enter MJ if disc has failed.		N/A	
4	#10 Rx Agitator Seal Pres.	Record pressure. Should be 15 psig		18	
5	#10 Rx Agitator Seal Level	Should be visible (Yes/No)		Y	
6	Eyewash - Deck by VB tank	Proper flow? (Yes/No)		Y	
7	9 hold agitator	Seal level (1/4,1/2, Full)		3/4	
8	Eyewash by sulfuric acid tank	Proper, flow, temperature & alarm (Yes/No)		Y	
9	Eyewash by #9 Init. Charging	Proper flow & temperature & alarm (Yes/No)		Y	
10	#9 Trench valve	Should be CLOSED (Yes/No)		Y	
11	#10 Trench valve	Should be CLOSED (Yes/No)		Y	
12	No 9 Hold Tank pump seal pot pressure	Record pressure. Should be between 200-230 psig		211	
13	9 Hold pump	Record Seal pot level (1/2,1/4,etc.)		3/4	
14	9 Flash pump	Record Seal pot level (1/2,1/4,etc.)		3/4	
15	No 9 flash tank pump seal pot pressure	Record pressure. Should be between 200-230 psig		189	
16	Eyewash by graft pumpout header	Proper flow & temperature & alarm? (Yes/No)		Y	
17	Eyewash by truck load	Proper flow & temperature & alarm? (Yes/No)		Y	
18	Eyewash by Tk-526	Proper flow & temperature & alarm? (Yes/No)		Y	

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Date: 9-25-09 Days Operator: _____ Supervisor: _____

Nights Operator: _____ Supervisor: SAT

	Item	Check	Days	Nights	Comments			
19	Outlet Temp. on Busch Pumps (Check on Midnights) *SEE NOTE*	Record temp. Should be 100-160°F	A 159	B 161	C 160	D 163	E 164	F 165
20	Busch pump A in Busch room	Any indication of liquid dripping from seal? (Yes/No)		N				
21	Busch pump B in Busch room	Any indication of liquid dripping from seal? (Yes/No)		N				
22	Busch pump C in Busch room	Any indication of liquid dripping from seal? (Yes/No)		N				
23	Busch pump F in Busch room	Any indication of liquid dripping from seal? (Yes/No)		N				
24	Busch pump E in Busch room	Any indication of liquid dripping from seal? (Yes/No)		N				
25	Busch pump D in Busch room	Any indication of liquid dripping from seal? (Yes/No)		N				
26	P-510A monomer mix tank pump	Any indication of liquid dripping from seal? (Yes/No)		N				
27	P-510 mixed monomer tank pump	Any indication of liquid dripping from seal? (Yes/No)		N				
28	P-525	Any indication of liquid dripping from seal? (Yes/No)		N				
29	P-529	Any indication of liquid dripping from seal? (Yes/No)		N				
30	P-528 CGR Pump	Any indication of liquid dripping from seal? (Yes/No)		N				
31	P-413C recycled monomer pump	Any indication of liquid dripping from seal? (Yes/No)		N				
32	Recycle TK413C for ½ hour each shift in automatic unless producing P-1528 and or P-1365.	Verify flow and temp of pump. Ok? (Yes/No)		OK				

***If #10RX and PCGR are down leave one busch pump running and shut down the remaining pumps. Rotate that pump to a different pump every four hours.**

REVISIONS

1. Update title and number of document. Deniz Hinz 6/18/08
2. Add Monomer pumps to the inspection sheet for graft Joel Young 6/18/09
3. Added language for consistency, eliminated blanks, removed references to #7/#8/#10 Operator, general cleanup to 8 pages from 11 DHE 10/23/09

BASF Corporation	Title:	Daily Operations Inspection Checklist	
Wya Polyol Plant	No.:	WYP0213	Page 1 of 8

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Date: 10/26/09 Days Operator: JLF Supervisor: JLF

Nights Operator: SSJ Supervisor: JAF

Item	Check	Days	Nights	Comments
Emergency radio set on SCAN mode	Record status. Should be set on SCAN mode to monitor the Emergency Channel	Yes	yes	
Emergency radio volume	Record status. Volume should be turned "on"	Yes	yes	
Confirm that the radios of the Shift Leader and Tank Farm Area Leader are in the SCAN mode.	Record status. Should be set on SCAN mode to monitor the Emergency Channel.	Yes	yes	
Control Room pressure	Record pressure. Should be > 0.1"	.03	.03	
Air moisture analyser	Record moisture content. Should be < -90, i.e. -95, -100, etc	-76	-76	
Steam pressure	Record pressure. Should be > 105 psig. & stable	120	120.5	
Battery backup for temp. Indicator	Record voltage. Should be 24-30 volts	25	25.00	
General Monitors-#2 Plant	Record status. No alarms/no malfunctions	None	None	
Instrument air pressure	Record pressure. Should be > 90 psig. & stable	101.7	99	
River water pressure	Record pressure. Should be > 65 psig. & stable	88.2	85	
Busch Glycol Storage level	Record level. Should be > 50%	63	63%	
Busch Glycol Storage Temp.	Record temp. Should be > 120 °F	128°	128°	
TK526 Temp (Mercaptan)	Record temp. Should be 50-150°F.	88°	88°	
EO Transfer Pump	Using P-101B2? (Yes/No) If no report to coordinator	Yes	yes	
PO Transfer Pump	Using P-101C2? (Yes/No) If no report to coordinator	Yes	yes	
Battery backup	Ready light on? (Yes/No)	Yes	yes	
Survive Air packs (Control Room)	Two cleaned and available? (Yes/No)	Yes	N/A	
Eyewash pressure	Record pressure. Should be > 60 psig.	90	62	
TMP recycle	Flowing? (Yes/No)	Yes	Yes	
No 7 jet decanter waste **(Satellite)**	Drained and spill free? (Yes/No)	NO/Yes	No/yes	
	Labeled as Jet Decanter Waste? (Yes/No)	Yes	yes	
	Full & Dated? (Yes/No)	NO	No	
	Grounded? (Yes/No)	Yes	yes	
Sulfuric Acid Dike	Is the Dike Empty? (Yes/No)	NO	No	
	If Not, Did You Empty? (Yes/No)	NO	NO	
	What Time was Dike Emptied?	N/A	N/A	

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Date: 10/26/09 Days Operator: JCF Supervisor: JCF

Nights Operator: SSS Supervisor: JAF

Item	Check	Days	Nights	Comments
	If Yes, What is the pH?	N/A	N/A	
	If Yes, What is the Color?	N/A	N/A	
	# of Phases in Standing Water Sample? (1/2/NA)	N/A	N/A	
Eyewash pad by No. 7 RX	Proper flow, temperature & alarm? (Yes/No)	Yes	N/A	
#7 & #8 Trench valve	CLOSED? (Yes/No)	OPEN	open	
Dust/Vapor collector drain drum by #7 RX. Emptied? (Yes/No)	Drum level (1/4, ½ Etc.)	N/A	1/3	
All 5-gallon pails in process area correctly labeled?	Yes or No? (If NO, please label)	N/A	yes	
Hazardous Waste **Accumulation Area #6**	Drum Level (1/4, 1/2, etc)	2/3	2/3	
	Drained? (Yes/No)	Yes	yes	
	Area spill free? (Yes/No)	Yes	yes	
	Labeled as monomer waste? (Yes/No)	Yes	yes	
	Record the date on the label of drum:	Date 10/16/09	Date 10/16/09	
	Is the date on the label <45 days: (Yes/No)	Yes	yes	
	Does Drum need to be changed out? (Yes/No)	NO	No	
	Free of leaks or evidence of leaking? (Yes/No)	Yes	Yes/No	
	Free of dents, dings, bulging, creasing, etc? (Yes/No)	Yes	Yes	
	Grounded? (Yes/No)	Yes	yes	
A-405B 7Reactor	Any indication of liquids dripping from seal? (Yes/No)	NO	No	
A-405C 8Reactor	Any indication of liquids dripping from seal? (Yes/No)	NO	No	
A-408C 8Initiator	Any indication of liquids dripping from seal? (Yes/No)	NO	No	
A-530 9Initiator	Any indication of liquids dripping from seal? (Yes/No)	NO	No	
A-405D 9Reactor	Any indication of liquids dripping from seal? (Yes/No)	NO	No	
VP-151 vacuum pump near D-151B in jet room	Any indication of liquids dripping from seal? (Yes/No)	NO	No	
P-151A north of D-151B in jet room	Any indication of liquids dripping from seal? (Yes/No)	NO	No	
P-405 bottom of TK-405D 9Reactor east of knock-out pot	Any indication of liquids dripping from seal? (Yes/No)	NO	No	
VP-150 vacuum pump near D-150B in jet room	Any indication of liquids dripping from seal? (Yes/No)	NO	No	

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Date: 10/26/09 Days Operator: JCF Supervisor: JCF

Nights Operator: SSS Supervisor: JCF

Item	Check	Days	Nights	Comments
P-150A west of D-150B in jet room	Any indication of liquids dripping from seal? (Yes/No)	NO	No	
VP-530D vacuum pump near S-530DB in jet room	Any indication of liquids dripping from seal? (Yes/No)	NO	NO	
P-530DB south of S-530DB in jet room	Any indication of liquids dripping from seal? (Yes/No)	NO	No	
VP-405D vacuum pump near S-405D in jet room	Any indication of liquids dripping from seal? (Yes/No)	NO	No	
P-405D south of S-405D in jet room	Any indication of liquids dripping from seal? (Yes/No)	NO	No	
P-151 west of TK-151 9Reactor vacuum condensate collection tank at ground level	Any indication of liquids dripping from seal? (Yes/No)	NO	No	
P-153B west of TK-403D scrubber recirculation tank	Any indication of liquids dripping from seal? (Yes/No)	NO	No	
P-153A west of TK-403D scrubber recirculation tank	Any indication of liquids dripping from seal? (Yes/No)	NO	NO	
Hazardous Waste **Accumulation Area #7**	Drum Level (1/4, 1/2, etc)	1/3	1/3	
	Drained? (Yes/No)	Yes	Yes	
	Area spill free? (Yes/No)	Yes	Yes	
	Labeled as monomer waste? (Yes/No)	Yes	Yes	
	Record the date on the label of drum:	Date 10/26/09	Date 10/26/09	
	Is the date on the label <45 days? (Yes/No)	Yes	Yes	
	Does Drum need to be changed out? (Yes/No)	NO	NO	
	Free of leaks or evidence of leaking? (Yes/No)	Yes	Yes/No	
	Free of dents, dings, bulging, creasing, etc? (Yes/No)	Yes	Yes	
	Grounded? (Yes/No)	Yes	Yes	
Hazardous Waste **Accumulation Area #8**	Drum Level (1/4, 1/2, etc)	1/4	1/4	
	Drained? (Yes/No)	Yes	Yes	
	Area spill free? (Yes/No)	Yes	Yes	
	Labeled as monomer waste? (Yes/No)	Yes	Yes	
	Record the date on the label of drum:	Date 10/26/09	Date 10/26/09	
	Is the date on the label <45 days? (Yes/No)	Yes	Yes	
	Does Drum need to be changed out? (Yes/No)	NO	No	
	Free of leaks or evidence of leaking? (Yes/No)	Yes	Yes/No	

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Date: 10/26/09 Days Operator: JL Supervisor: JF

Nights Operator: SSS Supervisor: JF

Item	Check	Days	Nights	Comments
	Free of dents, dings, bulging, creasing, etc? (Yes/No)	Yes	Yes	
	Grounded? (Yes/No)	Yes	Yes	
Hazardous Waste **Accumulation** Area #9	Drum Level (1/4, 1/2, etc)	1/3	1/3	
	Drained? (Yes/No)	Yes	Yes	
	Area spill free? (Yes/No)	Yes	Yes	
	Labeled as monomer waste? (Yes/No)	Yes	Yes	
	Record the date on the label of drum:	Date 10/24/09	Date 10/24/09	
	Is the date on the label <45 days: (Yes/No)	Yes	Yes	
	Does Drum need to be changed out? (Yes/No)	No	No	
	Free of leaks or evidence of leaking? (Yes/No)	Yes	Yes / No	
	Free of dents, dings, bulging, creasing, etc? (Yes/No)	Yes	Yes	
	Grounded? (Yes/No)	Yes	Yes	
Hazardous Waste **Accumulation** Area #4	Drum Level (1/4, 1/2, etc)	1/3	1/3	
	Drained? (Yes/No)	Yes	Yes	
	Area spill free? (Yes/No)	Yes	Yes	
	Labeled as monomer waste? (Yes/No)	Yes	Yes	
	Record the date on the label of drum:	Date 10/26/09	Date 10/26/09	
	Is the date on the label <45 days? (Yes/No)	Yes	Yes	
	Does Drum need to be changed out? (Yes/No)	No	No	
	Free of leaks or evidence of leaking? (Yes/No)	Yes	Yes / No	
	Free of dents, dings, bulging, creasing, etc? (Yes/No)	Yes	Yes	
	Grounded? (Yes/No)	Yes	Yes	
Hazardous Waste **Accumulation** Area #5	Drum Level (1/4, 1/2, etc)	1/2	1/3	
	Drained? (Yes/No)	Yes	Yes	
	Area spill free? (Yes/No)	Yes	Yes	
	Labeled as monomer waste? (Yes/No)	Yes	Yes	
	Record the date on the label of drum:	Date 10/7/09	Date 10/7/09	
	Is the date on the label <45 days? (Yes/No)	Yes	Yes	
	Does Drum need to be changed out? (Yes/No)	No	No	
	Free of leaks or evidence of leaking? (Yes/No)	Yes	Yes / No	

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Date: 10/26/09 Days Operator: JLF Supervisor: JLF

Nights Operator: SJJ Supervisor: JAF

Item	Check	Days	Nights	Comments
	Free of dents, dings, bulging, creasing, etc? (Yes/No)	Yes	Yes	
	Grounded? (Yes/No)	Yes	Yes	
Hazardous Waste Satellite Area #11	Drum Level (1/4, 1/2, etc)	1/4	1/4	
	Drained? (Yes/No)	Yes	Yes	
	Area spill free? (Yes/No)	Yes	Yes	
	Labeled as monomer waste? (Yes/No)	Yes	Yes	
	Changed and dated if full? (Yes/No)	N/A	No	
	Free of leaks or evidence of leaking? (Yes/No)	Yes	Yes / No	
	Free of dents, dings, bulging, creasing, etc? (Yes/No)	Yes	Yes	
	Grounded? (Yes/No)	Yes	Yes	
Containment Tote for Busch Pump Room Floor Drain	Tote empty? (Yes/No)	Yes	Yes	
	If not empty, determine what is inside. If just water from washing Busch pump room, then can empty into trench. If ethylene glycol, used oil, or unknown / unsure, contact Operations Engineer.	MT	MT	
	~~Area spill free? (Yes/No)~~	Yes	Yes	
	Labeled as wastewater? (Yes/No)	NO	→	LABEL Crappy Looking for New one
	Free of leaks or evidence of leaking? (Yes/No)	Yes	Yes	
	Free of dents, dings, bulging, creasing, etc? (Yes/No)	Yes	Yes	
Satellite Area Supplies	One pallet of new drums available? (Yes/No)	N/A	Yes	
Ionol supply adequate?	(Yes/No)	Yes	Yes	
No. 7 Rx. Oil seal	Record level in sight glass	3/4	3/4	
No. 7 Rx. Nitrogen seal	Record pressure. Should be > 100 psig.	104	105	
Water flow to: (Flow indicated in sight glass)	No. 7 reactor seal. Flow visible? (Yes/No)	Yes	Yes	
No. 7 Gyrol cooler. Flow visible?	(Yes/No)	Yes	Yes	
-408Water scrubber flow rate. Flow rate of water through T-408 in jet room	Record flowrate. Should be > 50 gpm	112	115	
Eyewash- Niko Tank	Proper flow, temperature & alarm	N/A	Yes	
No. 8 Init. Jet decanter	Drained? (Yes/No)	NO	NO	
Purge water under #8 press	Is it ON? (should be OFF if using funda)	ON	OFF	
Eyewash by safety room	Proper flow, temperature & alarm	N/A	Yes	

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Date: 10/26/09 Days Operator: JUF Supervisor: JUF

Nights Operator: SSS Supervisor: JAF

Item	Check	Days	Nights	Comments
Dust collector bag level (%)	Record level. Should be < 75% (empty as needed)	N/A	MT	
Busch Pump Oil tank	Dike free of spills? No evidence of any leaks? (Yes/No)	Yes	Yes	
No. 2 Plant Warehouse Product and Raw material Drums and Bags in.	Warehouse is free of leaking drums and spilled / torn bags? (Yes/No)	Yes	Yes	
#8 Reactor jet decanter level	Report Level Drained (Yes/No)		MT / No	
Vazo Room- Floor is clear of pallets and plastic or other debris.	(Yes/No) If NO (Please clean up)	Yes	Yes	
All 5-gal pails in process area correctly labeled	(Yes/No) (If NO, please label)	N/A	OK	
Britesorb Roll Off boxes:	Cover closed? (Yes/No)	No	No	
	Sufficient water level in box? (Yes/No)	Yes	Yes	
	Area spill free? (Yes/No)	Yes	Yes	
	Box needs emptying? (Yes/No)	No	No	
	If < 2 boxes need emptying, report to foreman. (Save waste $$)	N/A	N/A	
	Labeled with dated non-hazardous waste label? (Yes/No)	Yes	Yes	
	PH value? (Monday and Thursday only)	N/A	N/A	
	Free of leaks or evidence of leaking? (Yes/No)	Yes	Yes	
#7 and #8 base charging drain tote	Level of tote/ Emptied? (Yes/No)	1/4	1/4	
No. 8 Rx. Rupture disc pressure	Record pressure. Should be 0 psig.	0	Ø	
No. 8 Rx seal oil	Record level in sight glass. Should be visible	1/2	1/2	
No. 8 Rx seal nitrogen	Record pressure. Should be > 100 psig.	100	100	
No. 8 Init. seal oil	Record level in sight glass. Should be visible	1/3	1/3	
No. 8 Init. seal nitrogen	Record pressure. Should be > 110 psig.	117	119	
Water flow to: (Flow indicated in sight glass)	No. 8 Init. Seals. Visible flow? (Yes/No)	Yes	Yes	
	No. 8 Rect. Seals (outlet pipe west side rx)Flow visible? (Yes/No)	Yes	Yes	
	No. 8 Gyrol cooler. Flow visible? (Yes/No)	Yes	Yes	
			—	
Thermal Ox. – Air Monitoring Yokagawa Strip Chart in Control Rm.	Does it have paper? (Yes/No)	Yes	Yes	
	Record status. Power on? (Yes/No)	Yes	Yes	
	Is Paper Jammed? (Yes/No)	No	No	
	Is Start Button Green? (Yes/No)	Yes	Yes	

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Date: 10/26/09 Days Operator: JLF Supervisor: JLF

Nights Operator: SSS Supervisor: JAF

Item		Check	Days	Nights	Comments
		Results Legible and Clear? (Yes/No)	Yes	Yes	
		If Problem, was Maintenance Notified? (Yes/No)	N/A	N/A	
Small Britesorb dump box.		Empty? (Yes/No)	Yes	Yes	
		Free of leaks or evidence of leaking? (Yes/No)	Yes	Yes	
		If box is under funda, Is the lid down? (Yes/No)	Yes	No	
		Area is clean and clear of ANY spilled material? (Yes/No)	Yes	Yes	
		Filter cake Under No.8 & 9 Funda & No. 8 Sparkler? (Yes/No)	Yes	Yes	
All 5 gallon pails in process area correctly labeled		(Yes/No) (If NO, please label)	N/A	Yes	
#9 Initiator base charging tote		Level of tote/ Emptied (Yes/No)	1/2	1/4	
No. 9 Init. jet decanter		Drained? (Yes/No)	NO	No	
No. 9 Rx jet decanter		Drained and Purged EACH Shift? (Yes/No)	NO	NO	
No. 9 Init. Agitator Seal		Record Level in sight glass. Should be visible.		1/2	
1	Eyewash Busch building	Proper flow & temperature & alarm? (Yes/No)	Yes	N/A	
2	Busch rupture disc pres.	Should be 0 psig. Enter MJ if disc has failed.	0	N/A	
3	#10 Rx rupture disc pres.	Should be 0 psig. Enter MJ if disc has failed.	0	N/A	
4	#10 Rx Agitator Seal Pres.	Record pressure. Should be 15 psig	15	16	
5	#10 Rx Agitator Seal Level	Should be visible (Yes/No)	2/3	2/3	
6	Eyewash - Deck by VB tank	Proper flow? (Yes/No)	Yes	Yes	
7	9 hold agitator	Seal level (1/4,1/2, Full)		1/2	
8	Eyewash by sulfuric acid tank	Proper, flow, temperature & alarm (Yes/No)	Yes	Yes	
9	Eyewash by #9 Init. Charging	Proper flow & temperature & alarm (Yes/No)	Yes	Yes	
10	#9 Trench valve	Should be CLOSED (Yes/No)	Closed	Yes	
11	#10 Trench valve	Should be CLOSED (Yes/No)	Closed	Yes	
12	No 9 Hold Tank pump seal pot pressure	Record pressure. Should be between 200-230 psig	225	225	
13	9 Hold pump	Record Seal pot level (1/2,1/4,etc.)	1/2	1/2	
14	9 Flash pump	Record Seal pot level (1/2,1/4,etc.)	2/3	3/4	
15	No 9 flash tank pump seal pot pressure	Record pressure. Should be between 200-230 psig	200	190	
16	Eyewash by graft pumpout header	Proper flow & temperature & alarm? (Yes/No)	Yes	Yes	
17	Eyewash by truck load	Proper flow & temperature & alarm? (Yes/No)	Yes	Yes	
18	Eyewash by Tk-526	Proper flow & temperature & alarm? (Yes/No)	Yes	Yes	

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Date: 10/26/09 Days Operator: JUF Supervisor: JUF

Nights Operator: SJS Supervisor: JAF

	Item	Check	Days	Nights	Comments				
19	Outlet Temp. on Busch Pumps (Check on Midnights) *SEE NOTE*	Record temp. Should be 100-160°F	A 152°	B 150°	C 144°	D 150°	E 152°	F Locked out	
20	Busch pump A in Busch room	Any indication of liquid dripping from seal? (Yes/No)	NO	No					
21	Busch pump B in Busch room	Any indication of liquid dripping from seal? (Yes/No)	NO	No					
22	Busch pump C in Busch room	Any indication of liquid dripping from seal? (Yes/No)	NO	No					
23	Busch pump F in Busch room	Any indication of liquid dripping from seal? (Yes/No)	Locked out	Locked out					
24	Busch pump E in Busch room	Any indication of liquid dripping from seal? (Yes/No)	NO	No					
25	Busch pump D in Busch room	Any indication of liquid dripping from seal? (Yes/No)	NO	No					
26	P-510A monomer mix tank pump	Any indication of liquid dripping from seal? (Yes/No)	NO	No					
27	P-510 mixed monomer tank pump	Any indication of liquid dripping from seal? (Yes/No)	NO	No					
28	P-525	Any indication of liquid dripping from seal? (Yes/No)	NO	No					
29	P-529	Any indication of liquid dripping from seal? (Yes/No)	NO	No					
30	P-528 CGR Pump	Any indication of liquid dripping from seal? (Yes/No)	NO	No					
31	P-413C recycled monomer pump	Any indication of liquid dripping from seal? (Yes/No)	NO	No					
32	Recycle TK413C for ½ hour each shift in automatic unless producing P-1528 and or P-1365.	Verify flow and temp of pump. Ok? (Yes/No)	Yes A-OK	Yes					

***If #10RX and PCGR are down leave one busch pump running and shut down the remaining pumps. Rotate that pump to a different pump every four hours.**

REVISIONS

1. Update title and number of document. Deniz Hinz 6/18/08
2. Add Monomer pumps to the inspection sheet for graft Joel Young 6/18/09
3. Added language for consistency, eliminated blanks, removed references to #7/#8/#10 Operator, general cleanup to 8 pages from 11 DHE 10/23/09

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Date: 10/21/05 **Days Operator:** DE **Supervisor:** _____

Nights Operator: _____ **Supervisor:** _____

#7 OPERATOR

	Item	Check	Days	Nights	Comments
1	Emergency radio set on SCAN mode	Should be set on SCAN mode to monitor the Emergency Channel	OK		
2	Emergency radio volume	Volume should be turned on	ON		
3	Confirm that the radios of the Shift Leader and Tank Farm Area Leader are in the SCAN mode.	Should be set on SCAN mode to monitor the Emergency Channel	OK		
4	Control Room pressure	Pressure greater than 0.1"	.03		
5	Air moisture analyser	Record moisture content (Should be less than -90)	-74		
6	Steam pressure	Greater than 105 psig. & stable	120		
7	Battery backup for temp. Indicator	Should be 24-30 volts	25.2		
8	General Monitors-#2 Plant	No alarms/no malfunctions	None		
9	Instrument air pressure	90 psig. & stable	105		
10	River water pressure	Greater than 65 psig. & stable	86		
11	Busch Glycol Storage level	Greater than 50%	62		
12	Busch Glycol Storage Temp.	Should be > 120 °F	96		Drums Down
13	TK526 Temp (Mercaptan)	Should be 50-150°F.	86		
14	TDA storage level	Level should be greater than 30,000lbs	—	N/A	
15	EO Transfer Pump	Using P-101B2? If no report to coordinator	Y		
16	PO Transfer Pump	Using P-101C2? If no report to coordinator	Y		
17	Battery backup	Ready light on?	ON		
18	Survive Air packs (Control Room)	Should be two cleaned and available	4-2escape	N/A	
19	TDA recycle	Flowing	—		
20	Eyewash pressure	Greater than 60 psig.	65		
21	TMP recycle	Flowing?	Y		
22	No 7 jet decanter waste **(Satellite)**	Drained and spill free	NO/YES		
		Labeled as Jet Decanter Waste?	YES		
		Full & Dated?	N/A		
		Grounded?	Y		

NOTE: FULL DRUMS MUST BE TRANSPORTED TO HAZARDOUS WASTE STORAGE AREA WITHIN 3 DAYS AFTER FILLING (EXCLUDING HOLIDAYS).

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Date: 10-21-09 Operator. Initials: [illegible]

#7 OPERATOR

	Item	Check	Days	Nights	Comments
23	Sulfuric Acid Dike	Is the Dike Empty (Y/N)?	N		
		If Not, Did You Empty (Y/N)?	N		
		What Time was Dike Emptied	N/A		
		If Yes, What is the pH?	N/A		
		If Yes, What is the Color?	N/A		
		Qty of Phases in Standing Water Sample?	—		
24	Eyewash pad by No. 7 RX	Proper flow, temperature & alarm	OK	N/A	
25	#7 & #8 Trench valve	Should be CLOSED	Open		
26	Dust/Vapor collector drain drum by #7 RX. Emptied? (Yes or No)	Drum level (1/4, ½. Etc.)	N/A		
27	All 5-gallon pails in process area correctly labeled?	Yes or No (If NO, please label)	N/A		
28	Hazardous Waste **Accumulation Area #6**	Drum Level (1/4, 1/2, etc)	1/2		
		Drained?	YES		
		Area spill free?	YES		
		Labeled as monomer waste?	YES		
		Record the date on the label of drum:	Date 10-16	Date	
		Is the date on the label <45 days:	10-16 YES		
		Does Drum need to be changed out?	NO		
		Free of leaks or evidence of leaking?	OK		
		Free of dents, dings, bulging, creasing, etc?	OK		
		Grounded?	✓		
	A-405B 7Reactor	Any indication of liquids dripping from seal? (yes or no)	NO		

NOTE: FULL DRUMS MUST BE TRANSPORTED TO HAZARDOUS WASTE STORAGE AREA WITHIN 3 DAYS AFTER FILLING (EXCLUDING HOLIDAYS).

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Date: 10-21-09 Operator. Initials: [illegible]

#7 OPERATOR

	Item	Check	Days	Nights	Comments
	A-405C 8Reactor	Any indication of liquids dripping from seal? (yes or no)	NO		
	A-408C 8Initiator	Any indication of liquids dripping from seal? (yes or no)	NO		
	A-530 9Initiator	Any indication of liquids dripping from seal? (yes or no)	NO		
	A-405D 9Reactor	Any indication of liquids dripping from seal? (yes or no)	NO		
	VP-151 vacuum pump near D-151B in jet room	Any indication of liquids dripping from seal? (yes or no)	NO		
	P-151A north of D-151B in jet room	Any indication of liquids dripping from seal? (yes or no)	NO		
	P-405 bottom of TK-405D 9Reactor east of knock-out pot	Any indication of liquids dripping from seal? (yes or no)	NO		
	VP-150 vacuum pump near D-150B in jet room	Any indication of liquids dripping from seal? (yes or no)	NO		
	P-150A west of D-150B in jet room	Any indication of liquids dripping from seal? (yes or no)	NO		
	VP-530D vacuum pump near S-530DB in jet room	Any indication of liquids dripping from seal? (yes or no)	NO		
	P-530DB south of S-530DB in jet room	Any indication of liquids dripping from seal? (yes or no)	NO		
	VP-405D vacuum pump near S-405D in jet room	Any indication of liquids dripping from seal? (yes or no)	NO		
	P-405D south of S-405D in jet room	Any indication of liquids dripping from seal? (yes or no)	NO		
	P-151 west of TK-151 9Reactor vacuum condensate collection tank at ground level	Any indication of liquids dripping from seal? (yes or no)	NO		
	P-153B west of TK-403D scrubber recirculation tank	Any indication of liquids dripping from seal? (yes or no)	NO		
	P-153A west of TK-403D scrubber recirculation tank	Any indication of liquids dripping from seal? (yes or no)	NO		

NOTE: FULL DRUMS MUST BE TRANSPORTED TO HAZARDOUS WASTE STORAGE AREA WITHIN 3 DAYS AFTER FILLING (EXCLUDING HOLIDAYS).

INSPECT LISTED AGITATOR SEALS & PUMP SEALS FOR ANY INDICATION OF LIQUIDS DRIPPING FROM THE SEAL.

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Date: 10-21-09 Operator. Initials: [illegible]

#7 OPERATOR

	Item	Check	Days	Nights	Comments
29	Hazardous Waste **Accumulation Area #7**	Drum Level (1/4, 1/2, etc)	1/3		
		Drained?	Y		
		Area spill free?	Y		
		Labeled as monomer waste?	Y		
		Record the date on the label of drum:	Date 10-20-09	Date	
		Is the date on the label <45 days:	Y		
		Does Drum need to be changed out?	NO		
		Free of leaks or evidence of leaking?	OK		
		Free of dents, dings, bulging, creasing, etc?	OK		
		Grounded?	Y		
30	Hazardous Waste **Accumulation Area #8**	Drum Level (1/4, 1/2, etc)	1/2		
		Drained?	Y		
		Area spill free?	YES		
		Labeled as monomer waste?	YES		
		Record the date on the label of drum:	Date 10-16-09	Date	
		Is the date on the label <45 days:	YES		
		Does Drum need to be changed out?	NO		
		Free of leaks or evidence of leaking?	OK		
		Free of dents, dings, bulging, creasing, etc?	OK		
		Grounded?	YES		
31	Hazardous Waste **Accumulation Area #9**	Drum Level (1/4, 1/2, etc)	1/2		
		Drained?	YES		
		Area spill free?	YES		
		Labeled as monomer waste?	YES		
		Record the date on the label of drum:	Date 10-15-09	Date	
		Is the date on the label <45 days:	YES		
		Does Drum need to be changed out?	NO		
		Free of leaks or evidence of leaking?	OK		
		Free of dents, dings, bulging, creasing, etc?	OK		
		Grounded?	YES		

NOTE: FULL DRUMS MUST BE TRANSPORTED TO HAZARDOUS WASTE STORAGE AREA WITHIN 3 DAYS AFTER FILLING (EXCLUDING HOLIDAYS).

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Date: 10-21-09 Operator. Initials: [illegible]

#7 OPERATOR

	Item	Check	Days	Nights	Comments
32	Hazardous Waste **Accumulation Area #4**	Drum Level (1/4, 1/2, etc)	1/3		
		Drained?	YES		
		Area spill free?	YES		
		Labeled as monomer waste?	YES		
		Record the date on the label of drum:	Date 10-19-09	Date	
		Is the date on the label <45 days:	YES		
		Does Drum need to be changed out?	NO		
		Free of leaks or evidence of leaking?	OK		
		Free of dents, dings, bulging, creasing, etc?	OK		
		Grounded?	YES		
33	Hazardous Waste **Accumulation Area #5**	Drum Level (1/4, 1/2, etc)	1/2		
		Drained?	YES		
		Area spill free?	YES		
		Labeled as monomer waste?	YES		
		Record the date on the label of drum:	Date 10-7-09	Date	
		Is the date on the label <45 days:	YES		
		Does Drum need to be changed out?	NO		
		Free of leaks or evidence of leaking?	YES		
		Free of dents, dings, bulging, creasing, etc?	YES		
		Grounded?	YES		
34	Hazardous Waste Satellite Area #11	Drum Level (1/4, 1/2, etc)	1/2		
		Drained?	NO		
		Area spill free?	YES		
		Labeled as monomer waste?	YES		
		Changed and dated if full?	N/A		
		Free of leaks or evidence of leaking?	OK		
		Free of dents, dings, bulging, creasing, etc?	OK		
		Grounded?			

NOTE: FULL DRUMS MUST BE TRANSPORTED TO HAZARDOUS WASTE STORAGE AREA WITHIN 3 DAYS AFTER FILLING (EXCLUDING HOLIDAYS).

Date: 10-24-09 Operator. Initials: [illegible]

#7 OPERATOR

	Item	Check	Days	Nights	Comments
35	Containment Tote for Busch Pump Room Floor Drain	Tote empty?	Yes		
		If not empty, determine what is inside. If just water from washing Busch pump room, then can empty into trench. If ethylene glycol, used oil, or unknown / unsure, contact Operations Engineer.	N/A		
		Area spill free?	Yes		
		Labeled as wastewater?	Yes		
		Free of leaks or evidence of leaking?	Yes		
		Free of dents, dings, bulging, creasing, etc?	Yes		
36	Satellite Area Supplies	One pallet of new drums available?	N/A		
		Ionol supply adequate?	Yes		
37	No. 7 Rx. Oil seal	Level in sight glass	78		
38	No. 7 Rx. Nitrogen seal	Greater than 100 psig.	105		
39	Water flow to: (Flow indicated in sight glass)	No. 7 reactor seal	ok		
		No. 7 Gyrol cooler	ok		
40	-408Water scrubber flow rate. Flow rate of water through T-408 in jet room	Greater than 50 gpm	120		

NOTE: FULL DRUMS MUST BE TRANSPORTED TO HAZARDOUS WASTE STORAGE AREA WITHIN 3 DAYS AFTER FILLING (EXCLUDING HOLIDAYS).

INSPECT LISTED AGITATOR SEALS & PUMP SEALS FOR ANY INDICATION OF LIQUIDS DRIPPING FROM THE SEAL.

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NOTE: MANY ITEMS ON THIS CHECKLIST ARE LEGAL REQUIREMENTS. IT IS MANDATORY THAT THIS CHECKLIST IS FILLED OUT COMPLETELY, AND RETURNED TO THE OPERATIONS SUPERVISOR FOR FILING. RECORDS ARE KEPT FOR 5 YEARS.

Date: 10-21-09 Operator. Initials: R

#8 OPERATOR

	Item	Check	Days	Nights	Comments
1	Eyewash- Niko Tank	Proper flow, temperature & alarm	N/A		
2	No. 8 Init. Jet decanter	Drained?	NO		
3	Purge water under #8 press	Is it ON? (should be OFF if using funda)	OFF		
4	Eyewash by safety room	Proper flow, temperature & alarm	N/A		
5	Dust collector bag level (%)	Should be < 75% (empty as needed)	N/A		
6	Busch Pump Oil tank	Dike is free of spills. No evidence of any leaks.	OK		
7	No. 2 Plant Warehouse Product and Raw material Drums and Bags in.	Warehouse is free of leaking drums and spilled / torn bags.	OK		
8	#8 Reactor jet decanter level	Report Level Drained (Yes or No).	MT NO		
9	Vazo Room- Floor is clear of pallets and plastic or other debris.	If NO (Please clean up)	OK		
10	All 5-gal pails in process area correctly labeled	Yes or No (If NO, please label)	N/A		
11	Britesorb Roll Off boxes	Cover closed?	NO		
		Sufficient water level in box?	YES		
		Area spill free?	YES		
		Box needs emptying?	YES		
		If < 2 boxes need emptying, report to foreman. (Save waste $$)	OK		
		Labeled with dated non-hazardous waste label?	YES		
		PH value? (Monday and Thursday only)	N/A		
		Free of leaks or evidence of leaking?	YES		
12	#7 and #8 base charging drain tote	Level of tote/ Emptied Yes or No	1/3/NO		
13	No. 8 Rx. Rupture disc pressure	Should be 0 psig.	0		
14	No. 8 Rx seal oil	Level in sight glass.	Y3		
15	No. 8 Rx seal nitrogen	Greater than 100 psig.	110		
16	No. 8 Init. seal oil	Level in sight glass	Y3		
17	No. 8 Init. seal nitrogen	Greater than 110 psig.	113		
18	Water flow to:(Flow indicated in sight glass)	No. 8 Init. seals	OK		
		No. 8 Rect. Seals (outlet pipe west side rx)	OK		
		No. 8 Gyrol cooler	OK		

NOTE: FULL DRUMS MUST BE TRANSPORTED TO HAZARDOUS WASTE STORAGE AREA WITHIN 3 DAYS AFTER FILLING (EXCLUDING HOLIDAYS).

INSPECT LISTED AGITATOR SEALS & PUMP SEALS FOR ANY INDICATION OF LIQUIDS DRIPPING FROM THE SEAL.

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Date: 10-21-09 Operator. Initials: [illegible]

#8 OPERATOR

	Item	Check	Days	Nights	Comments
19	Thermal Ox. – Air Monitoring Yokagawa Strip Chart in Control Rm.	Does it have paper?	yes		
		Make sure the power is on.	on		
		Is Paper Jammed? (Y/N)	no		
		Is Start Button Green? (Y/N)	Y		
		Results Legible and Clear? (Y/N)	Y		
		If Problem, was Maintenance Notified? (Y/N)	N		
			—		

NOTE: FULL DRUMS MUST BE TRANSPORTED TO HAZARDOUS WASTE STORAGE AREA WITHIN 3 DAYS AFTER FILLING (EXCLUDING HOLIDAYS).

INSPECT LISTED AGITATOR SEALS & PUMP SEALS FOR ANY INDICATION OF LIQUIDS DRIPPING FROM THE SEAL.

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Date: 10-2-09 Operator Initials: DE

#9 OPERATOR

	Item	Check	Days	Nights	Comments
1	Small Britesorb dump box.	Empty?	Y		
		Free of leaks or evidence of leaking?	Y		
		If box is under funda, Is the lid down?	NO		
		Area is clean and clear of ANY spilled material?	YES		
		Filter cake Under No.8 & 9 Funda & No. 8 Sparkler	NO		
2	All 5 gallon pails in process area correctly labeled	Yes or No (If NO, please label)	N/A		
3	#9 Initiator base charging tote	Level of tote/ Emptied Yes or No			
4	No. 9 Init. jet decanter	Drained?	NO		
5	No. 9 Rx jet decanter	Drained and Purged EACH Shift?	NO		
6	No. 9 Init. Agitator Seal	Level in sight glass	Y/N		
Please drain and purge with steam EVERY shift! It is known that polymer will build up in decanter and the sight glass will indicate empty!					

NOTE: FULL DRUMS MUST BE TRANSPORTED TO HAZARDOUS WASTE STORAGE AREA WITHIN 3 DAYS AFTER FILLING (EXCLUDING HOLIDAYS).

INSPECT LISTED AGITATOR SEALS & PUMP SEALS FOR ANY INDICATION OF LIQUIDS DRIPPING FROM THE SEAL.

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Date: 10-24-04 **Operator Initials:** EX

#10 OPERATOR

	Item	Check	Days	Nights	Comments
1	Eyewash Busch building	Proper flow & temperature & alarm	ok	N/A	
2	Busch rupture disc pres.	Should be 0 psig. Enter MJ if disc has failed.	0	N/A	
3	#10 Rx rupture disc pres.	Should be 0 psig. Enter MJ if disc has failed.	0	N/A	
4	#10 Rx Agitator Seal Pres.	Should be 15 psig	18		
5	#10 Rx Agitator Seal Level	Should be visible	2/3		
6	Eyewash - Deck by VB tank	Proper flow	ok		
7	9 hold agitator	Seal level (1/4,1/2, Full)	—		
8	Eyewash by sulfuric acid tank	Proper, flow, temperature & alarm	ok		
9	Eyewash by #9 Init. Charging	Proper flow & temperature & alarm	ok		
10	#9 Trench valve	Should be CLOSED	C		
11	#10 Trench valve	Should be CLOSED	C		
12	No 9 Hold Tank pump seal pot pressure	Pressure should be between 200-230 psig	220		
13	9 Hold pump	Seal pot level (1/2,1/4,etc.)	2		
14	9 Flash pump	Seal pot level (1/2,1/4,etc.)	2/3		
15	No 9 flash tank pump seal pot pressure	Pressure should be between 200-230 psig	195		
16	Eyewash by graft pumpout header	Proper flow & temperature & alarm	ok		
17	Eyewash by truck load	Proper flow & temperature & alarm	ok		
18	Eyewash by Tk-526	Proper flow & temperature & alarm	ok		
19	Outlet Temp. on Busch Pumps (Check on Midnights) ***SEE NOTE***	Should be 100-160°F	A / B	C / D	E / F
20	Busch pump A in Busch room	Any indication of liquid dripping from seal?	NO		
21	Busch pump B in Busch room	Any indication of liquid dripping from seal?	NO		
22	Busch pump C in Busch room	Any indication of liquid dripping from seal?	NO		
23	Busch pump F in Busch room	Any indication of liquid dripping from seal?	Locked out		
24	Busch pump E in Busch room	Any indication of liquid dripping from seal?	NO		
25	Busch pump D in Busch room	Any indication of liquid dripping from seal?	NO		
26	P-510A monomer mix tank pump	Any indication of liquid dripping from seal?	NO		
27	P-510 mixed monomer tank pump	Any indication of liquid dripping from seal?	NO		

NOTE: FULL DRUMS MUST BE TRANSPORTED TO HAZARDOUS WASTE STORAGE AREA WITHIN 3 DAYS AFTER FILLING (EXCLUDING HOLIDAYS).

INSPECT LISTED AGITATOR SEALS & PUMP SEALS FOR ANY INDICATION OF LIQUIDS DRIPPING FROM THE SEAL.

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Date: 10-21-09 Operator Initials: [illegible]

#10 OPERATOR

	Item	Check	Days	Nights	Comments
28	P-525	Any indication of liquid dripping from seal?	NO		
29	P-529	Any indication of liquid dripping from seal?	NO		
30	P-528 CGR Pump	Any indication of liquid dripping from seal?	NO		
31	P-413C recycled monomer pump	Any indication of liquid dripping from seal?	NO		
32	Recycle TK413C for ½ hour each shift in automatic unless producing P-1528 and or P-1365.	Verify flow and temp of pump.	413 Locked OUT		

***If #10RX and PCGR are down leave one busch pump running and shut down the remaining pumps. Rotate that pump to a different pump every four hours.**

REVISIONS

1. Update title and number of document. Deniz Hinz 6/18/08
2. Add Monomer pumps to the inspection sheet for graft Joel Young 6/18/09

NOTE: FULL DRUMS MUST BE TRANSPORTED TO HAZARDOUS WASTE STORAGE AREA WITHIN 3 DAYS AFTER FILLING (EXCLUDING HOLIDAYS).

INSPECT LISTED AGITATOR SEALS & PUMP SEALS FOR ANY INDICATION OF LIQUIDS DRIPPING FROM THE SEAL.

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NOTE: MANY ITEMS ON THIS CHECKLIST ARE LEGAL REQUIREMENTS. IT IS MANDATORY THAT THIS CHECKLIST IS FILLED OUT COMPLETELY, AND RETURNED TO THE OPERATIONS SUPERVISOR FOR FILING. RECORDS ARE KEPT FOR 7 YEARS.

Date: 10/12/09 **Days Operator:** _____ **Supervisor:** _____

Nights Operator: JCF **Supervisor:** JCF

#7 OPERATOR

	Item	Check	Days	Nights	Comments
1	Emergency radio set on SCAN mode	Should be set on SCAN mode to monitor the Emergency Channel		Yes	
2	Emergency radio volume	Volume should be turned on		Yes	
3	Confirm that the radios of the Shift Leader and Tank Farm Area Leader are in the SCAN mode.	Should be set on SCAN mode to monitor the Emergency Channel		Yes	
4	Control Room pressure	Pressure greater than 0.1"		.03	
5	Air moisture analyser	Record moisture content (Should be less than -90)			
6	Steam pressure	Greater than 105 psig. & stable		118	
7	Battery backup for temp. Indicator	Should be 24-30 volts		24	
8	General Monitors-#2 Plant	No alarms/no malfunctions		1 malf.	
9	Instrument air pressure	90 psig. & stable		94	
10	River water pressure	Greater than 65 psig. & stable		85	
11	Busch Glycol Storage level	Greater than 50%		68	
12	Busch Glycol Storage Temp.	Should be > 120 °F		128	
13	TK526 Temp (Mercaptan)	Should be 50-150°F.		88	
14	TDA storage level	Level should be greater than 30,000lbs		N/A	
15	EO Transfer Pump	Using P-101B2? If no report to coordinator		Yes	
16	PO Transfer Pump	Using P-101C2? If no report to coordinator		Yes	
17	Battery backup	Ready light on?		Yes	
18	Survive Air packs (Control Room)	Should be two cleaned and available		N/A	
19	TDA recycle	Flowing		—	
20	Eyewash pressure	Greater than 60 psig.		Yes	
21	TMP recycle	Flowing?		Yes	
22	No 7 jet decanter waste **(Satellite)**	Drained and spill free		NO	
		Labeled as Jet Decanter Waste?		Y	
		Full & Dated?		N/A	
		Grounded?		Yes	

NOTE: FULL DRUMS MUST BE TRANSPORTED TO HAZARDOUS WASTE STORAGE AREA WITHIN 3 DAYS AFTER FILLING (EXCLUDING HOLIDAYS).

BASF Corporation	Title:	Daily Operations Inspection Sheet	
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Date:_____ Operator. Initials: JLF

#7 OPERATOR

	Item	Check	Days	Nights	Comments
23	Sulfuric Acid Dike	Is the Dike Empty (Y/N)?		NO	
		If Not, Did You Empty (Y/N)?		NO	
		What Time was Dike Emptied.		N/A	
		If Yes, What is the pH?		N/A	
		If Yes, What is the Color?		N/A	
		Qty of Phases in Standing Water Sample?		N/A	
24	Eyewash pad by No. 7 RX	Proper flow, temperature & alarm		N/A	
25	#7 & #8 Trench valve	Should be CLOSED		OPEN	
26	Dust/Vapor collector drain drum by #7 RX. Emptied? (Yes or No)	Drum level (1/4, ½. Etc.)	N/A	½	
27	All 5-gallon pails in process area correctly labeled?	Yes or No (If NO, please label)	N/A	OK	
28	Hazardous Waste **Accumulation Area** #6	Drum Level (1/4, 1/2, etc)		1/4	
		Drained?		Y	
		Area spill free?		Y	
		Labeled as monomer waste?		Y	
		Record the date on the label of drum:	Date	Date	
		Is the date on the label <45 days:		Y	
		Does Drum need to be changed out?		NO	
		Free of leaks or evidence of leaking?		Y	
		Free of dents, dings, bulging, creasing, etc?		Y	
		Grounded?		Y	
	A-405B 7Reactor	Any indication of liquids dripping from seal? (yes or no)		NO	

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Date:_____ Operator. Initials: JVF

#7 OPERATOR

	Item	Check	Days	Nights	Comments
	A-405C 8Reactor	Any indication of liquids dripping from seal? (yes or no)		NO	
	A-408C 8Initiator	Any indication of liquids dripping from seal? (yes or no)		NO	
	A-530 9Initiator	Any indication of liquids dripping from seal? (yes or no)		NO	
	A-405D 9Reactor	Any indication of liquids dripping from seal? (yes or no)		NO	
	VP-151 vacuum pump near D-151B in jet room	Any indication of liquids dripping from seal? (yes or no)			
	P-151A north of D-151B in jet room	Any indication of liquids dripping from seal? (yes or no)			
	P-405 bottom of TK-405D 9Reactor east of knock-out pot	Any indication of liquids dripping from seal? (yes or no)			
	VP-150 vacuum pump near D-150B in jet room	Any indication of liquids dripping from seal? (yes or no)			
	P-150A west of D-150B in jet room	Any indication of liquids dripping from seal? (yes or no)			
	VP-530D vacuum pump near S-530DB in jet room	Any indication of liquids dripping from seal? (yes or no)			
	P-530DB south of S-530DB in jet room	Any indication of liquids dripping from seal? (yes or no)			
	VP-405D vacuum pump near S-405D in jet room	Any indication of liquids dripping from seal? (yes or no)			
	P-405D south of S-405D in jet room	Any indication of liquids dripping from seal? (yes or no)			
	P-151 west of TK-151 9Reactor vacuum condensate collection tank at ground level	Any indication of liquids dripping from seal? (yes or no)			
	P-153B west of TK-403D scrubber recirculation tank	Any indication of liquids dripping from seal? (yes or no)			
	P-153A west of TK-403D scrubber recirculation tank	Any indication of liquids dripping from seal? (yes or no)			

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INSPECT LISTED AGITATOR SEALS & PUMP SEALS FOR ANY INDICATION OF LIQUIDS DRIPPING FROM THE SEAL.

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#7 OPERATOR

	Item	Check	Days	Nights	Comments
29	Hazardous Waste **Accumulation Area #7**	Drum Level (1/4, 1/2, etc)		1/3	
		Drained?		Y	
		Area spill free?		Y	
		Labeled as monomer waste?		Y	
		Record the date on the label of drum:	Date	Date	
		Is the date on the label <45 days:		Y	
		Does Drum need to be changed out?		N	
		Free of leaks or evidence of leaking?		Y	
		Free of dents, dings, bulging, creasing, etc?		Y	
		Grounded?		Y	
30	Hazardous Waste **Accumulation Area #8**	Drum Level (1/4, 1/2, etc)		1/3	
		Drained?		Y	
		Area spill free?		Y	
		Labeled as monomer waste?		Y	
		Record the date on the label of drum:	Date	Date	
		Is the date on the label <45 days:		Y	
		Does Drum need to be changed out?		NO	
		Free of leaks or evidence of leaking?		Y	
		Free of dents, dings, bulging, creasing, etc?		Y	
		Grounded?		Y	
31	Hazardous Waste **Accumulation Area #9**	Drum Level (1/4, 1/2, etc)		1/2	
		Drained?		Y	
		Area spill free?		Y	
		Labeled as monomer waste?		Y	
		Record the date on the label of drum:	Date	Date	
		Is the date on the label <45 days:		Y	
		Does Drum need to be changed out?		N	
		Free of leaks or evidence of leaking?		Y	
		Free of dents, dings, bulging, creasing, etc?		Y	
		Grounded?		Y	

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BASF Corporation	Title:	Daily Operations Inspection Sheet	
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Date:_____ Operator. Initials:_____

#7 OPERATOR

	Item	Check	Days	Nights	Comments
32	Hazardous Waste **Accumulation** Area #4	Drum Level (1/4, 1/2, etc)		1/3	
		Drained?		Y	
		Area spill free?		Y	
		Labeled as monomer waste?		Y	
		Record the date on the label of drum:	Date	Date	
		Is the date on the label <45 days:		Y	
		Does Drum need to be changed out?		N	
		Free of leaks or evidence of leaking?		Y	
		Free of dents, dings, bulging, creasing, etc?		Y	
		Grounded?		Y	
33	Hazardous Waste **Accumulation** Area #5	Drum Level (1/4, 1/2, etc)		1/2	
		Drained?		Y	
		Area spill free?		Y	
		Labeled as monomer waste?		Y	
		Record the date on the label of drum:	Date	Date	
		Is the date on the label <45 days:		Y	
		Does Drum need to be changed out?		NO	
		Free of leaks or evidence of leaking?		Y	
		Free of dents, dings, bulging, creasing, etc?		Y	
		Grounded?		Y	
34	Hazardous Waste Satellite Area #11	Drum Level (1/4, 1/2, etc)		1/3	
		Drained?		Y	
		Area spill free?		Y	
		Labeled as monomer waste?		Y	
		Changed and dated if full?		Y	1 Full
		Free of leaks or evidence of leaking?		Y	
		Free of dents, dings, bulging, creasing, etc?		Y	
		Grounded?		Y	

NOTE: FULL DRUMS MUST BE TRANSPORTED TO HAZARDOUS WASTE STORAGE AREA WITHIN 3 DAYS AFTER FILLING (EXCLUDING HOLIDAYS).

Date:_____ Operator. Initials:_____

#7 OPERATOR

	Item	Check	Days	Nights	Comments
35	Containment Tote for Busch Pump Room Floor Drain	Tote empty?		Yes	
		If not empty, determine what is inside. If just water from washing Busch pump room, then can empty into trench. If ethylene glycol, used oil, or unknown / unsure, contact Operations Engineer.		N/A	
		Area spill free?		Y	
		Labeled as wastewater?		Y	
		Free of leaks or evidence of leaking?		Y	
		Free of dents, dings, bulging, creasing, etc?		Y	
36	Satellite Area Supplies	One pallet of new drums available?	N/A	ok	
		Ionol supply adequate?		Y	
				—	
37	No. 7 Rx. Oil seal	Level in sight glass		3/4	
38	No. 7 Rx. Nitrogen seal	Greater than 100 psig.		105	
39	Water flow to: (Flow indicated in sight glass)	No. 7 reactor seal		Y	
		No. 7 Gyrol cooler		Y	
40	-408Water scrubber flow rate. Flow rate of water through T-408 in jet room	Greater than 50 gpm		119	

NOTE: FULL DRUMS MUST BE TRANSPORTED TO HAZARDOUS WASTE STORAGE AREA WITHIN 3 DAYS AFTER FILLING (EXCLUDING HOLIDAYS).

INSPECT LISTED AGITATOR SEALS & PUMP SEALS FOR ANY INDICATION OF LIQUIDS DRIPPING FROM THE SEAL.

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Date:_____ **Operator. Initials:**_____

#8 OPERATOR

	Item	Check	Days	Nights	Comments
1	Eyewash- Niko Tank	Proper flow, temperature & alarm	N/A	Y	
2	No. 8 Init. Jet decanter	Drained?		NO	
3	Purge water under #8 press	Is it ON? (should be OFF if using funda)		ON	
4	Eyewash by safety room	Proper flow, temperature & alarm	N/A	Y	
5	Dust collector bag level (%)	Should be < 75% (empty as needed)	N/A	OK	
6	Busch Pump Oil tank	Dike is free of spills. No evidence of any leaks.		OK	
7	No. 2 Plant Warehouse Product and Raw material Drums and Bags in.	Warehouse is free of leaking drums and spilled / torn bags.		OK	
8	#8 Reactor jet decanter level	Report Level Drained (Yes or No)		NO	
9	Vazo Room- Floor is clear of pallets and plastic or other debris.	If NO (Please clean up)		OK	
10	All 5-gal pails in process area correctly labeled	Yes or No (If NO, please label)	N/A	Yes	
11	Britesorb Roll Off boxes	Cover closed?		NO	
		Sufficient water level in box?		Yes	
		Area spill free?		Yes	
		Box needs emptying?			
		If < 2 boxes need emptying, report to foreman. (Save waste $$)			
		Labeled with dated non-hazardous waste label?			
		PH value? (Monday and Thursday only)	N/A		
		Free of leaks or evidence of leaking?			
12	#7 and #8 base charging drain tote	Level of tote/ Emptied Yes or No			
13	No. 8 Rx. Rupture disc pressure	Should be 0 psig.		0	
14	No. 8 Rx seal oil	Level in sight glass		1/2	
15	No. 8 Rx seal nitrogen	Greater than 100 psig.		101	
16	No. 8 Init. seal oil	Level in sight glass		1/3	
17	No. 8 Init. seal nitrogen	Greater than 110 psig.		117	
18	Water flow to:(Flow indicated in sight glass)	No. 8 Init. seals		Yes	
		No. 8 Rect. Seals (outlet pipe west side rx)		Yes	
		No. 8 Gyrol cooler		Yes	

NOTE: FULL DRUMS MUST BE TRANSPORTED TO HAZARDOUS WASTE STORAGE AREA WITHIN 3 DAYS AFTER FILLING (EXCLUDING HOLIDAYS).

INSPECT LISTED AGITATOR SEALS & PUMP SEALS FOR ANY INDICATION OF LIQUIDS DRIPPING FROM THE SEAL.

NOTE: MANY ITEMS ON THIS CHECKLIST ARE LEGAL REQUIREMENTS. IT IS MANDATORY THAT THIS CHECKLIST IS FILLED OUT COMPLETELY, AND RETURNED TO THE OPERATIONS SUPERVISOR FOR FILING. RECORDS ARE KEPT FOR 5 YEARS.

Date:_____ **Operator. Initials:**_____

#8 OPERATOR

	Item	Check	Days	Nights	Comments
19	Thermal Ox. – Air Monitoring Yokagawa Strip Chart in Control Rm.	Does it have paper?		Yes	
		Make sure the power is on.		on	
		Is Paper Jammed? (Y/N)		no	
		Is Start Button Green? (Y/N)		Yes	
		Results Legible and Clear? (Y/N)		Yes	
		If Problem, was Maintenance Notified? (Y/N)		N/A	

NOTE: FULL DRUMS MUST BE TRANSPORTED TO HAZARDOUS WASTE STORAGE AREA WITHIN 3 DAYS AFTER FILLING (EXCLUDING HOLIDAYS).

INSPECT LISTED AGITATOR SEALS & PUMP SEALS FOR ANY INDICATION OF LIQUIDS DRIPPING FROM THE SEAL.

Date:_____ Operator Initials:_____

#9 OPERATOR

	Item	Check	Days	Nights	Comments
1	Small Britesorb dump box.	Empty?		Y	
		Free of leaks or evidence of leaking?		Y	
		If box is under funda, Is the lid down?		NO	
		Area is clean and clear of ANY spilled material?		Y	
		Filter cake Under No.8 & 9 Funda & No. 8 Sparkler		OK	
2	All 5 gallon pails in process area correctly labeled	Yes or No (If NO, please label)	N/A	OK	
3	#9 Initiator base charging tote	Level of tote/ Emptied Yes or No			
4	No. 9 Init. jet decanter	Drained?		NO	
5	No. 9 Rx jet decanter	Drained and Purged EACH Shift?		NO	
6	No. 9 Init. Agitator Seal	Level in sight glass		1/2	

Please drain and purge with steam EVERY shift! It is known that polymer will build up in decanter and the sight glass will indicate empty!

NOTE: FULL DRUMS MUST BE TRANSPORTED TO HAZARDOUS WASTE STORAGE AREA WITHIN 3 DAYS AFTER FILLING (EXCLUDING HOLIDAYS).

INSPECT LISTED AGITATOR SEALS & PUMP SEALS FOR ANY INDICATION OF LIQUIDS DRIPPING FROM THE SEAL.

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Date:_____ **Operator Initials:**_____

#10 OPERATOR

	Item	Check	Days	Nights	Comments
1	Eyewash Busch building	Proper flow & temperature & alarm		N/A	
2	Busch rupture disc pres.	Should be 0 psig. Enter MJ if disc has failed.		N/A	
3	#10 Rx rupture disc pres.	Should be 0 psig. Enter MJ if disc has failed.		N/A	
4	#10 Rx Agitator Seal Pres.	Should be 15 psig		17	
5	#10 Rx Agitator Seal Level	Should be visible		2/3	
6	Eyewash - Deck by VB tank	Proper flow		OK	
7	9 hold agitator	Seal level (1/4,1/2, Full)			
8	Eyewash by sulfuric acid tank	Proper, flow, temperature & alarm		Y	
9	Eyewash by #9 Init. Charging	Proper flow & temperature & alarm		Y	
10	#9 Trench valve	Should be CLOSED		closed	
11	#10 Trench valve	Should be CLOSED		closed	
12	No 9 Hold Tank pump seal pot pressure	Pressure should be between 200-230 psig		225	
13	9 Hold pump	Seal pot level (1/2,1/4,etc.)		1/2	
14	9 Flash pump	Seal pot level (1/2,1/4,etc.)		2/3	
15	No 9 flash tank pump seal pot pressure	Pressure should be between 200-230 psig		200	
16	Eyewash by graft pumpout header	Proper flow & temperature & alarm		Y	
17	Eyewash by truck load	Proper flow & temperature & alarm		Y	
18	Eyewash by Tk-526	Proper flow & temperature & alarm		Y	
19	Outlet Temp. on Busch Pumps (Check on Midnights) ***SEE NOTE***	Should be 100-160°F	A ~~[illegible]~~ B 145 C 140 D 155 E 150 F X		
20	Busch pump A in Busch room	Any indication of liquid dripping from seal?		NO	
21	Busch pump B in Busch room	Any indication of liquid dripping from seal?			
22	Busch pump C in Busch room	Any indication of liquid dripping from seal?			
23	Busch pump F in Busch room	Any indication of liquid dripping from seal?			
24	Busch pump E in Busch room	Any indication of liquid dripping from seal?			
25	Busch pump D in Busch room	Any indication of liquid dripping from seal?			
26	P-510A monomer mix tank pump	Any indication of liquid dripping from seal?		NO	
27	P-510 mixed monomer tank pump	Any indication of liquid dripping from seal?		NO	

NOTE: FULL DRUMS MUST BE TRANSPORTED TO HAZARDOUS WASTE STORAGE AREA WITHIN 3 DAYS AFTER FILLING (EXCLUDING HOLIDAYS).

INSPECT LISTED AGITATOR SEALS & PUMP SEALS FOR ANY INDICATION OF LIQUIDS DRIPPING FROM THE SEAL.

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Date:_____ **Operator Initials:**_____

#10 OPERATOR

	Item	Check	Days	Nights	Comments
28	P-525	Any indication of liquid dripping from seal?		NO	
29	P-529	Any indication of liquid dripping from seal?		NO	
30	P-528 CGR Pump	Any indication of liquid dripping from seal?		NO	
31	P-413C recycled monomer pump	Any indication of liquid dripping from seal?		NO	

***If #10RX and PCGR are down leave one busch pump running and shut down the remaining pumps. Rotate that pump to a different pump every four hours.**

REVISIONS

1. Update title and number of document. Deniz Hinz 6/18/08
2. Add Monomer pumps to the inspection sheet for graft Joel Young 6/18/09

NOTE: FULL DRUMS MUST BE TRANSPORTED TO HAZARDOUS WASTE STORAGE AREA WITHIN 3 DAYS AFTER FILLING (EXCLUDING HOLIDAYS).

INSPECT LISTED AGITATOR SEALS & PUMP SEALS FOR ANY INDICATION OF LIQUIDS DRIPPING FROM THE SEAL.

BASF Corporation	Title:	Daily Operations Inspection Checklist	
Wya Polyol Plant	No.:	WYP0213	Page 1 of 11

NOTE: MANY ITEMS ON THIS CHECKLIST ARE LEGAL REQUIREMENTS. IT IS MANDATORY THAT THIS CHECKLIST IS FILLED OUT COMPLETELY, AND RETURNED TO THE OPERATIONS SUPERVISOR FOR FILING. RECORDS ARE KEPT FOR 7 YEARS.

Date: 10/7/09 **Days Operator:** DON **Supervisor:** JF

Nights Operator: _____ **Supervisor:** _____

#7 OPERATOR

	Item	Check	Days	Nights	Comments
1	Emergency radio set on SCAN mode	Should be set on SCAN mode to monitor the Emergency Channel	ON		
2	Emergency radio volume	Volume should be turned on	ON		
3	Confirm that the radios of the Shift Leader and Tank Farm Area Leader are in the SCAN mode.	Should be set on SCAN mode to monitor the Emergency Channel	OK		
4	Control Room pressure	Pressure greater than 0.1"	.4		
5	Air moisture analyser	Record moisture content (Should be less than -90)			
6	Steam pressure	Greater than 105 psig. & stable	119.5		
7	Battery backup for temp. Indicator	Should be 24-30 volts	25.08		
8	General Monitors-#2 Plant	No alarms/no malfunctions	NONE		
9	Instrument air pressure	90 psig. & stable	98		
10	River water pressure	Greater than 65 psig. & stable	84		
11	Busch Glycol Storage level	Greater than 50%	64		
12	Busch Glycol Storage Temp.	Should be > 120 °F	128		
13	TK526 Temp (Mercaptan)	Should be 50-150°F.	92.19		
14	TDA storage level	Level should be greater than 30,000lbs	MT	N/A	
15	EO Transfer Pump	Using P-101B2? If no report to coordinator	OK		
16	PO Transfer Pump	Using P-101C2? If no report to coordinator	OK		
17	Battery backup	Ready light on?	ON		
18	Survive Air packs (Control Room)	Should be two cleaned and available	OK	N/A	
19	TDA recycle	Flowing	—		
20	Eyewash pressure	Greater than 60 psig.	69		
21	TMP recycle	Flowing?	Y		
22	No 7 jet decanter waste **(Satellite)**	Drained and spill free	N Y		
		Labeled as Jet Decanter Waste?	Y		
		Full & Dated?	N/A		
		Grounded?	Y		

NOTE: FULL DRUMS MUST BE TRANSPORTED TO HAZARDOUS WASTE STORAGE AREA WITHIN 3 DAYS AFTER FILLING (EXCLUDING HOLIDAYS).

BASF Corporation	Title:	Daily Operations Inspection Sheet	
Wya Polyol Plant	No.:	WYP0213	Page 2 of 11

Date: 10/7/09 Operator. Initials: DDN

#7 OPERATOR

	Item	Check	Days	Nights	Comments
23	Sulfuric Acid Dike	Is the Dike Empty (Y/N)?	N		
		If Not, Did You Empty (Y/N)?	N		
		What Time was Dike Emptied			
		If Yes, What is the pH?			
		If Yes, What is the Color?			
		Qty of Phases in Standing Water Sample?	4		
24	Eyewash pad by No. 7 RX	Proper flow, temperature & alarm	—	N/A	
25	#7 & #8 Trench valve	Should be CLOSED	N		
26	Dust/Vapor collector drain drum by #7 RX. Emptied? (Yes or No)	Drum level (1/4, ½. Etc.)	N/A		
27	All 5-gallon pails in process area correctly labeled?	Yes or No (If NO, please label)	N/A		
28	Hazardous Waste **Accumulation Area** #6	Drum Level (1/4, 1/2, etc)	2/3		
		Drained?	Y		
		Area spill free?	Y		
		Labeled as monomer waste?	Y		
		Record the date on the label of drum:	Date 10/2/09	Date	
		Is the date on the label <45 days:	OK		
		Does Drum need to be changed out?	N		
		Free of leaks or evidence of leaking?	OK		
		Free of dents, dings, bulging, creasing, etc?	OK		
		Grounded?	Y		
	A-405B 7Reactor	Any indication of liquids dripping from seal? (yes or no)			

NOTE: FULL DRUMS MUST BE TRANSPORTED TO HAZARDOUS WASTE STORAGE AREA WITHIN 3 DAYS AFTER FILLING (EXCLUDING HOLIDAYS).

BASF Corporation	Title:	Daily Operations Inspection Checklist	
Wya Polyol Plant	No.:	WYP0213	Page 3 of 11

Date: 10/7/09

Operator. Initials: RV

#7 OPERATOR

	Item	Check	Days	Nights	Comments
	A-405C 8Reactor	Any indication of liquids dripping from seal? (yes or no)	NO		
	A-408C 8Initiator	Any indication of liquids dripping from seal? (yes or no)			
	A-530 9Initiator	Any indication of liquids dripping from seal? (yes or no)			
	A-405D 9Reactor	Any indication of liquids dripping from seal? (yes or no)			
	VP-151 vacuum pump near D-151B in jet room	Any indication of liquids dripping from seal? (yes or no)			
	P-151A north of D-151B in jet room	Any indication of liquids dripping from seal? (yes or no)			
	P-405 bottom of TK-405D 9Reactor east of knock-out pot	Any indication of liquids dripping from seal? (yes or no)			
	VP-150 vacuum pump near D-150B in jet room	Any indication of liquids dripping from seal? (yes or no)			
	P-150A west of D-150B in jet room	Any indication of liquids dripping from seal? (yes or no)			
	VP-530D vacuum pump near S-530DB in jet room	Any indication of liquids dripping from seal? (yes or no)			
	P-530DB south of S-530DB in jet room	Any indication of liquids dripping from seal? (yes or no)			
	VP-405D vacuum pump near S-405D in jet room	Any indication of liquids dripping from seal? (yes or no)			
	P-405D south of S-405D in jet room	Any indication of liquids dripping from seal? (yes or no)			
	P-151 west of TK-151 9Reactor vacuum condensate collection tank at ground level	Any indication of liquids dripping from seal? (yes or no)			
	P-153B west of TK-403D scrubber recirculation tank	Any indication of liquids dripping from seal? (yes or no)			
	P-153A west of TK-403D scrubber recirculation tank	Any indication of liquids dripping from seal? (yes or no)			

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INSPECT LISTED AGITATOR SEALS & PUMP SEALS FOR ANY INDICATION OF LIQUIDS DRIPPING FROM THE SEAL.

BASF Corporation	Title:	Daily Operations Inspection Sheet	
Wya Polyol Plant	No.:	WYP0213	Page 4 of 11

Date: 10/7/09 Operator. Initials: JBN

#7 OPERATOR

	Item	Check	Days	Nights	Comments
29	Hazardous Waste **Accumulation Area #7**	Drum Level (1/4, 1/2, etc)	1/10		
		Drained?	Y		
		Area spill free?	Y		
		Labeled as monomer waste?	Y		
		Record the date on the label of drum:	Date 9/4/09	Date	
		Is the date on the label <45 days:	OK		
		Does Drum need to be changed out?	N		
		Free of leaks or evidence of leaking?	Y		
		Free of dents, dings, bulging, creasing, etc?	Y		
		Grounded?	Y		
30	Hazardous Waste **Accumulation Area #8**	Drum Level (1/4, 1/2, etc)	1/3		
		Drained?	Y		
		Area spill free?	Y		
		Labeled as monomer waste?	Y		
		Record the date on the label of drum:	Date 9/22/09	Date	
		Is the date on the label <45 days:	OK		
		Does Drum need to be changed out?	N		
		Free of leaks or evidence of leaking?	Y		
		Free of dents, dings, bulging, creasing, etc?	Y		
		Grounded?	Y		
31	Hazardous Waste **Accumulation Area #9**	Drum Level (1/4, 1/2, etc)	1/4		
		Drained?	Y		
		Area spill free?	Y		
		Labeled as monomer waste?	Y		
		Record the date on the label of drum:	Date 10/2/09	Date	
		Is the date on the label <45 days:	OK		
		Does Drum need to be changed out?	N		
		Free of leaks or evidence of leaking?	Y		
		Free of dents, dings, bulging, creasing, etc?	Y		
		Grounded?	Y		

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BASF Corporation	Title:	Daily Operations Inspection Sheet	
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Date: 10/2/09 Operator. Initials: DN

#7 OPERATOR

	Item	Check	Days	Nights	Comments
32	Hazardous Waste **Accumulation Area #4**	Drum Level (1/4, 1/2, etc)	1/3		
		Drained?	Y		
		Area spill free?	Y		
		Labeled as monomer waste?	Y		
		Record the date on the label of drum:	Date 10/2/09	Date	
		Is the date on the label <45 days:	Y		
		Does Drum need to be changed out?	Changed		
		Free of leaks or evidence of leaking?	Y		
		Free of dents, dings, bulging, creasing, etc?	Y		
		Grounded?	Y		
33	Hazardous Waste **Accumulation Area #5**	Drum Level (1/4, 1/2, etc)	1/2		
		Drained?	Y		
		Area spill free?	Y		
		Labeled as monomer waste?	Y		
		Record the date on the label of drum:	Date 10/2/09	Date	
		Is the date on the label <45 days:	OK		
		Does Drum need to be changed out?	N		
		Free of leaks or evidence of leaking?	Y		
		Free of dents, dings, bulging, creasing, etc?	Y		
		Grounded?	Y		
34	Hazardous Waste Satellite Area #11	Drum Level (1/4, 1/2, etc)	1/2		
		Drained?	Y		
		Area spill free?	Y		
		Labeled as monomer waste?	Y		
		Changed and dated if full?	N/A		
		Free of leaks or evidence of leaking?	Y		
		Free of dents, dings, bulging, creasing, etc?	Y		
		Grounded?	Y		

NOTE: FULL DRUMS MUST BE TRANSPORTED TO HAZARDOUS WASTE STORAGE AREA WITHIN 3 DAYS AFTER FILLING (EXCLUDING HOLIDAYS).

Date: 10/4/09 Operator. Initials: DJN

#7 OPERATOR

	Item	Check	Days	Nights	Comments
35	Containment Tote for Busch Pump Room Floor Drain	Tote empty?	Y		
		If not empty, determine what is inside. If just water from washing Busch pump room, then can empty into trench. If ethylene glycol, used oil, or unknown / unsure, contact Operations Engineer.	N/A		
		Area spill free?	Y		
		Labeled as wastewater?	Y		
		Free of leaks or evidence of leaking?	Y		
		Free of dents, dings, bulging, creasing, etc?	Y		
36	Satellite Area Supplies	One pallet of new drums available?	N/A		
		Ionol supply adequate?	Y		
37	No. 7 Rx. Oil seal	Level in sight glass	–		
38	No. 7 Rx. Nitrogen seal	Greater than 100 psig.	–		
39	Water flow to: (Flow indicated in sight glass)	No. 7 reactor seal	Y		
		No. 7 Gyrol cooler	Y		
40	-408Water scrubber flow rate. Flow rate of water through T-408 in jet room	Greater than 50 gpm	110		

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INSPECT LISTED AGITATOR SEALS & PUMP SEALS FOR ANY INDICATION OF LIQUIDS DRIPPING FROM THE SEAL.

BASF Corporation	Title:	Daily Operations Inspection Checklist	
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NOTE: MANY ITEMS ON THIS CHECKLIST ARE LEGAL REQUIREMENTS. IT IS MANDATORY THAT THIS CHECKLIST IS FILLED OUT COMPLETELY, AND RETURNED TO THE OPERATIONS SUPERVISOR FOR FILING. RECORDS ARE KEPT FOR 5 YEARS.

Date: 10/2/09 Operator. Initials: [illegible]

#8 OPERATOR

	Item	Check	Days	Nights	Comments
1	Eyewash- Niko Tank	Proper flow, temperature & alarm	N/A		
2	No. 8 Init. Jet decanter	Drained?	N		
3	Purge water under #8 press	Is it ON? (should be OFF if using funda)	N		
4	Eyewash by safety room	Proper flow, temperature & alarm	N/A		
5	Dust collector bag level (%)	Should be < 75% (empty as needed)	N/A		
6	Busch Pump Oil tank	Dike is free of spills. No evidence of any leaks.	2 1/2		
7	No. 2 Plant Warehouse Product and Raw material Drums and Bags in.	Warehouse is free of leaking drums and spilled / torn bags.	Y		
8	#8 Reactor jet decanter level	Report Level Drained (Yes or No)	MT N		
9	Vazo Room- Floor is clear of pallets and plastic or other debris.	If NO (Please clean up)	OK		
10	All 5-gal pails in process area correctly labeled	Yes or No (If NO, please label)	N/A		
11	Britesorb Roll Off boxes	Cover closed?	—		
		Sufficient water level in box?	Y		
		Area spill free?	Y		
		Box needs emptying?	Y		
		If < 2 boxes need emptying, report to foreman. (Save waste $$)	N/A		
		Labeled with dated non-hazardous waste label?	Y		
		PH value? (Monday and Thursday only)	N/A		
		Free of leaks or evidence of leaking?	Y		
12	#7 and #8 base charging drain tote	Level of tote/ Emptied Yes or No	1/3 N		
13	No. 8 Rx. Rupture disc pressure	Should be 0 psig.	0		
14	No. 8 Rx seal oil	Level in sight glass	3/4		
15	No. 8 Rx seal nitrogen	Greater than 100 psig.	—		
16	No. 8 Init. seal oil	Level in sight glass	—		
17	No. 8 Init. seal nitrogen	Greater than 110 psig.	—		
18	Water flow to:(Flow indicated in sight glass)	No. 8 Init. seals	OK		
		No. 8 Rect. Seals (outlet pipe west side rx)	OK		
		No. 8 Gyrol cooler	OK		

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INSPECT LISTED AGITATOR SEALS & PUMP SEALS FOR ANY INDICATION OF LIQUIDS DRIPPING FROM THE SEAL.

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Date: 10/9/09 **Operator. Initials:** [illegible]

#8 OPERATOR

	Item	Check	Days	Nights	Comments
19	Thermal Ox. – Air Monitoring Yokagawa Strip Chart in Control Rm.	Does it have paper?	Y		
		Make sure the power is on.	Y		
		Is Paper Jammed? (Y/N)	N		
		Is Start Button Green? (Y/N)	Y		
		Results Legible and Clear? (Y/N)	Y		
		If Problem, was Maintenance Notified? (Y/N)	N/A		

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INSPECT LISTED AGITATOR SEALS & PUMP SEALS FOR ANY INDICATION OF LIQUIDS DRIPPING FROM THE SEAL.

BASF Corporation	Title:	Daily Operations Inspection Checklist	
Wya Polyol Plant	No.:	WYP0213	Page 9 of 11

Date: 10/7/09

Operator Initials: [illegible]

#9 OPERATOR

	Item	Check	Days	Nights	Comments
1	Small Britesorb dump box.	Empty?	Y		
		Free of leaks or evidence of leaking?	Y		
		If box is under funda, Is the lid down?	—		
		Area is clean and clear of ANY spilled material?	OK		
		Filter cake Under No.8 & 9 Funda & No. 8 Sparkler	OK		
2	All 5 gallon pails in process area correctly labeled	Yes or No (If NO, please label)	N/A		
3	#9 Initiator base charging tote	Level of tote/ Emptied Yes or No	1/2 N		
4	No. 9 Init. jet decanter	Drained?	Y		
5	No. 9 Rx jet decanter	Drained and Purged EACH Shift?	Y		
6	No. 9 Init. Agitator Seal	Level in sight glass	—		

Please drain and purge with steam EVERY shift! It is known that polymer will build up in decanter and the sight glass will indicate empty!

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INSPECT LISTED AGITATOR SEALS & PUMP SEALS FOR ANY INDICATION OF LIQUIDS DRIPPING FROM THE SEAL.

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Date: 12/7/09 Operator Initials: [illegible]

#10 OPERATOR

	Item	Check	Days	Nights	Comments
1	Eyewash Busch building	Proper flow & temperature & alarm		N/A	
2	Busch rupture disc pres.	Should be 0 psig. Enter MJ if disc has failed.		N/A	
3	#10 Rx rupture disc pres.	Should be 0 psig. Enter MJ if disc has failed.		N/A	
4	#10 Rx Agitator Seal Pres.	Should be 15 psig		15	
5	#10 Rx Agitator Seal Level	Should be visible		Y	
6	Eyewash - Deck by VB tank	Proper flow		—	
7	9 hold agitator	Seal level (1/4,1/2, Full)		—	
8	Eyewash by sulfuric acid tank	Proper, flow, temperature & alarm		—	
9	Eyewash by #9 Init. Charging	Proper flow & temperature & alarm		—	
10	#9 Trench valve	Should be CLOSED		N	
11	#10 Trench valve	Should be CLOSED		N	
12	No 9 Hold Tank pump seal pot pressure	Pressure should be between 200-230 psig		210	
13	9 Hold pump	Seal pot level (1/2,1/4,etc.)		3/4	
14	9 Flash pump	Seal pot level (1/2,1/4,etc.)		1/2	
15	No 9 flash tank pump seal pot pressure	Pressure should be between 200-230 psig		3/4	
16	Eyewash by graft pumpout header	Proper flow & temperature & alarm		—	
17	Eyewash by truck load	Proper flow & temperature & alarm		—	
18	Eyewash by Tk-526	Proper flow & temperature & alarm		—	
19	Outlet Temp. on Busch Pumps (Check on Midnights) ***SEE NOTE***	Should be 100-160°F	A / B	C	D / E / F
20	Busch pump A in Busch room	Any indication of liquid dripping from seal?		N	
21	Busch pump B in Busch room	Any indication of liquid dripping from seal?			
22	Busch pump C in Busch room	Any indication of liquid dripping from seal?			
23	Busch pump F in Busch room	Any indication of liquid dripping from seal?			
24	Busch pump E in Busch room	Any indication of liquid dripping from seal?			
25	Busch pump D in Busch room	Any indication of liquid dripping from seal?			
26	P-510A monomer mix tank pump	Any indication of liquid dripping from seal?			
27	P-510 mixed monomer tank pump	Any indication of liquid dripping from seal?			

NOTE: FULL DRUMS MUST BE TRANSPORTED TO HAZARDOUS WASTE STORAGE AREA WITHIN 3 DAYS AFTER FILLING (EXCLUDING HOLIDAYS).

INSPECT LISTED AGITATOR SEALS & PUMP SEALS FOR ANY INDICATION OF LIQUIDS DRIPPING FROM THE SEAL.

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Date: 10/7/09 Operator Initials: TGN

#10 OPERATOR

	Item	Check	Days	Nights	Comments
28	P-525	Any indication of liquid dripping from seal?	✓		
29	P-529	Any indication of liquid dripping from seal?	✓		
30	P-528 CGR Pump	Any indication of liquid dripping from seal?	✓		
31	P-413C recycled monomer pump	Any indication of liquid dripping from seal?			

***If #10RX and PCGR are down leave one busch pump running and shut down the remaining pumps. Rotate that pump to a different pump every four hours.**

REVISIONS

1. Update title and number of document. Deniz Hinz 6/18/08
2. Add Monomer pumps to the inspection sheet for graft Joel Young 6/18/09

NOTE: FULL DRUMS MUST BE TRANSPORTED TO HAZARDOUS WASTE STORAGE AREA WITHIN 3 DAYS AFTER FILLING (EXCLUDING HOLIDAYS).

INSPECT LISTED AGITATOR SEALS & PUMP SEALS FOR ANY INDICATION OF LIQUIDS DRIPPING FROM THE SEAL.

BASF Corporation	Title:	Hazardous Waste Satellite Storage Log		
Wya Polyol Plant	No.:	WYP0222	Page:	1 of 4

WASTE SATELLITE STORAGE AREA - INSPECTION/TRANSFER LOG

RETURN COMPLETED LOG TO SUPERVISOR TO BE FILED IN THE POLYOL DOCUMENT CENTER

SITE WASTE WARHOUSE HOURS MONDAY/WEDNESDAY 1-2PM, FRIDAY 10-11 AM

DATE: 10/30/09 TIME: 1030 AM INSPECTED BY (PRINT FULL NAME): JERRY FIGURSKI

2	#7 Jet Decanter Waste (W-035)	OK	OK	OK	OK	3/4	OK	OK	NO	
1	Neutralized MDI Waste (W-067)	OK	OK	OK	OK	3/4	N/A	OK	NO	
11	Monomer Waste (W-010)	OK	OK	OK	OK	1/4	OK	OK	NO	
12	Neutralized TDI Waste (W-068)	OK	OK	OK	OK	1/4	OK	OK	NO	
13	Sugar/Pent/Polyol (A-645)	OK	OK	OK	OK	3/4	N/A	OK	NO	
14	Waste TDA (W-009)	—	—	—	—	—	—	—	—	
15	Waste Toluene Filters (#3BB for carbon beds) (W-799)	OK	OK	OK	OK	1/4	N/A	OK	NO	
	Used Oil (A-603-08) Flammable Shed Maintence Pad	OK	OK	OK	OK	1/4	N/A	OK	NO	
	Polyol QA Waste (W-760) (Will be inside of retain room)	OK	OK	OK	OK	1/2	OK	OK	NO	
	Crushed Glass (A-616) (Will be inside of retain room)	OK	OK	OK	OK	1/4	OK	OK	NO	
	Waste Aerosols (W-904) In Maintence Shop	OK	OK	OK	OK	3/4	N/A	OK	NO	

WASTE TRANSFERS / COMMENTS (PLEASE LOG ALL TRANSFERS WITH INDIVIDUAL CONTAINER WEIGHTS IN POUNDS

HAZARDOUS WASTE < 90 DAY ACCUMULATIONS STORAGE AREA - INSPECTION/TRANSFER LOG
RETURN COMPLETED LOG TO SUPERVISOR TO BE FILED IN THE POLYOL DOCUMENT CENTER

BASF Corporation	Title:	Hazardous Waste Satellite Storage Log		
Wya Polyol Plant	No.:	WYP0222	Page:	3 of 4

HAZARDOUS WASTE < 90 DAY ACCUMULATIONS STORAGE AREA - INSPECTION/TRANSFER LOG
RETURN COMPLETED LOG TO SUPERVISOR TO BE FILED IN THE POLYOL DOCUMENT CENTER
SITE WASTE WARHOUSE HOURS MONDAY/WEDNESDAY 1-2PM, FRIDAY 10-11 AM

DATE: 10/30/09 TIME: 1030AM INSPECTED BY (PRINT FULL NAME): JERRY FIGURSKI

[illegible]	[illegible]	RECORD THE DATE OFF THE LABEL, IS IT <45 DAYS OLD?	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4	Monomer Waste (W-010)	Date: 10/29	ok	ok	~~0~~ 1/2	ok	ok	NO	
5	Monomer Waste (W-010)	Date: 10/7	ok	ok	1/2	ok	ok	NO	
6	Monomer Waste (W-010)	Date: 10/27	ok	ok	1/4	ok	ok	NO	
7	Monomer Waste (W-010)	Date: 10/20	ok	ok	1/3	ok	ok	NO	
8	Monomer Waste (W-010)	Date: 10/26	ok	ok	1/2	ok	ok	NO	
9	Monomer Waste (W-010)	Date: 10/24	ok	ok	1/4	ok	ok	NO	

WASTE TRANSFERS / COMMENTS (PLEASE LOG ALL TRANSFERS WITH INDIVIDUAL CONTAINER WEIGHTS IN POUNDS)

BASF Corporation	Title:	Hazardous Waste Satellite Storage Log		
Wya Polyol Plant	No.:	WYP0222	Page:	3 of 4

HAZARDOUS WASTE < 90 DAY ACCUMULATIONS STORAGE AREA - INSPECTION/TRANSFER LOG
RETURN COMPLETED LOG TO SUPERVISOR TO BE FILED IN THE POLYOL DOCUMENT CENTER
SITE WASTE WARHOUSE HOURS MONDAY/WEDNESDAY 1-2PM, FRIDAY 10-11 AM

DATE: 10/30/09 TIME: 10:30AM INSPECTED BY (PRINT FULL NAME): Jonny Figueroa

No.	Description	START DATE ON LABEL IS <11 MONTHS	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1	Waste Batteries (U-800) Supervisor's Office (Dispose of >11 months)	10/29	OK	OK	OK	OK	0/4	OK	NO	
2	Waste Batteries (U-800) Maintenance Shop (Dispose of >11 months)	10/29	OK	OK	OK	OK	0	OK	N/A	

WASTE TRANSFERS / COMMENTS (PLEASE LOG ALL TRANSFERS WITH INDIVIDUAL CONTAINER WEIGHTS IN POUNDS)

Wya Polyol Plant	No.:	WYP0213	Page 1 of 8

NOTE: MANY ITEMS ON THIS CHECKLIST ARE LEGAL REQUIREMENTS. IT IS MANDATORY THAT THIS CHECKLIST IS FILLED OUT COMPLETELY, AND RETURNED TO THE OPERATIONS SUPERVISOR FOR FILING. RECORDS ARE KEPT FOR 5 YEARS.

Date: 12/28/09 Days Operator: ST Supervisor: _____

Nights Operator: _____ Supervisor: _____

Item	Check	Days	Nights	Comments
Emergency radio set on SCAN mode	Record status. Should be set on SCAN mode to monitor the Emergency Channel	OK		
Emergency radio volume	Record status. Volume should be turned "on"	OK		
Confirm that the radios of the Shift Leader and Tank Farm Area Leader are in the SCAN mode.	Record status. Should be set on SCAN mode to monitor the Emergency Channel.	OK		
Control Room pressure	Record pressure. Should be > 0.1"	.04		
Air moisture analyser	Record moisture content: Should be < -90, i.e. -95, -100, etc	-94		
Steam pressure	Record pressure. Should be > 105 psig. & stable	112		
Battery backup for temp. Indicator	Record voltage. Should be 24-30 volts	24.57		
General Monitors-#2 Plant	Record status. No alarms/no malfunctions	NONE		
Instrument air pressure	Record pressure. Should be > 90 psig. & stable	102		
River water pressure	Record pressure. Should be > 65 psig. & stable	87		
Busch Glycol Storage level	Record level. Should be > 50%	63		
Busch Glycol Storage Temp.	Record temp. Should be > 140 °F	155		
TK526 Temp (Mercaptan)	Record temp. Should be 50-150°F.	60		
EO Transfer Pump	Using P-101B2? (Yes/No) If no report to coordinator	Y		
PO Transfer Pump	Using P-101C2? (Yes/No) If no report to coordinator	Y		
Battery backup	Ready light on? (Yes/No)	ON		
Survive Air packs (Control Room)	Two cleaned and available? (Yes/No)	Y	N/A	
Eyewash pressure	Record pressure. Should be > 60 psig.	65 / 95		
TMP recycle	Flowing? (Yes/No)	Y		
No 7 jet decanter waste **(Satellite)**	Drained and spill free? (Yes/No)	N / Y		
	Labeled as Jet Decanter Waste? (Yes/No)	Y		
	Full & Dated? (Yes/No)	N/A		
	Grounded? (Yes/No)	Y		
Sulfuric Acid Dike	Is the Dike Empty? (Yes/No)	N		
	If Not, Did You Empty? (Yes/No)	N		FROZEN
	What Time was Dike Emptied?	N/A		

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Date: 12/28/09 Days Operator: ST Supervisor:_____

Nights Operator:_____ Supervisor:_____

Item	Check	Days	Nights	Comments
	If Yes, What is the pH?	N/A		
	If Yes, What is the Color?	N/A		
	# of Phases in Standing Water Sample? (1/2/NA)	N/A		
Eyewash pad by No. 7 RX	Proper flow, temperature & alarm? (Yes/No)	—	N/A	
#7 & #8 Trench valve	CLOSED? (Yes/No)			
Dust/Vapor collector drain drum by #7 RX. Emptied? (Yes/No)	Drum level (1/4, ½. Etc.)	N/A		
All 5-gallon pails in process area correctly labeled?	Yes or No? (If NO, please label)	N/A		
Hazardous Waste **Accumulation Area #6**	Drum Level (1/4, 1/2, etc)	1/2		
	Drained? (Yes/No)	Y		
	Area spill free? (Yes/No)	Y		
	Labeled as monomer waste? (Yes/No)	Y		
	Record the date on the label of drum:	Date 12-8	Date	
	Is the date on the label <45 days: (Yes/No)	Y		
	Does Drum need to be changed out? (Yes/No)	Y		
	Free of leaks or evidence of leaking? (Yes/No)	Y		
	Free of dents, dings, bulging, creasing, etc? (Yes/No)	Y		
	Grounded? (Yes/No)	Y		
A-405B 7Reactor	Any indication of liquids dripping from seal? (Yes/No)	N		
A-405C 8Reactor	Any indication of liquids dripping from seal? (Yes/No)	N		
A-408C 8Initiator	Any indication of liquids dripping from seal? (Yes/No)	N		
A-530 9Initiator	Any indication of liquids dripping from seal? (Yes/No)	N		
A-405D 9Reactor	Any indication of liquids dripping from seal? (Yes/No)	N		
VP-151 vacuum pump near D-151B in jet room	Any indication of liquids dripping from seal? (Yes/No)	N		
P-151A north of D-151B in jet room	Any indication of liquids dripping from seal? (Yes/No)	N		
P-405 bottom of TK-405D 9Reactor east of knock-out pot	Any indication of liquids dripping from seal? (Yes/No)	N		
VP-150 vacuum pump near D-150B in jet room	Any indication of liquids dripping from seal? (Yes/No)	N		

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Date: 12/28/09 Days Operator: ST Supervisor: _____

Nights Operator: _____ Supervisor: _____

Item	Check	Days	Nights	Comments
P-150A west of D-150B in jet room	Any indication of liquids dripping from seal? (Yes/No)	N		
VP-530D vacuum pump near S-530DB in jet room	Any indication of liquids dripping from seal? (Yes/No)	N		
P-530DB south of S-530DB in jet room	Any indication of liquids dripping from seal? (Yes/No)	N		
VP-405D vacuum pump near S-405D in jet room	Any indication of liquids dripping from seal? (Yes/No)	N		
P-405D south of S-405D in jet room	Any indication of liquids dripping from seal? (Yes/No)	N		
P-151 west of TK-151 9Reactor vacuum condensate collection tank at ground level	Any indication of liquids dripping from seal? (Yes/No)	N		
P-153B west of TK-403D scrubber recirculation tank	Any indication of liquids dripping from seal? (Yes/No)	N		
P-153A west of TK-403D scrubber recirculation tank	Any indication of liquids dripping from seal? (Yes/No)	N		
Hazardous Waste **Accumulation** Area #7	Drum Level (1/4, 1/2, etc)	1/2		
	Drained? (Yes/No)	Y		
	Area spill free? (Yes/No)	Y		
	Labeled as monomer waste? (Yes/No)	Y		
	Record the date on the label of drum:	Date 11-30	Date	
	Is the date on the label <45 days? (Yes/No)	Y		
	Does Drum need to be changed out? (Yes/No)	N		
	Free of leaks or evidence of leaking? (Yes/No)	Y		
	Free of dents, dings, bulging, creasing, etc? (Yes/No)	Y		
	Grounded? (Yes/No)	Y		
Hazardous Waste **Accumulation** Area #8	Drum Level (1/4, 1/2, etc)	1/2		
	Drained? (Yes/No)	Y		
	Area spill free? (Yes/No)	Y		
	Labeled as monomer waste? (Yes/No)	Y		
	Record the date on the label of drum:	Date 12-15	Date	
	Is the date on the label <45 days? (Yes/No)	Y		
	Does Drum need to be changed out? (Yes/No)	N		
	Free of leaks or evidence of leaking? (Yes/No)	Y		

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Date: 12/28/09 Days Operator: ST Supervisor:

Nights Operator: Supervisor:

Item	Check	Days	Nights	Comments
	Free of dents, dings, bulging, creasing, etc? (Yes/No)	Y		
	Grounded? (Yes/No)	Y		
Hazardous Waste Accumulation Area #9	Drum Level (1/4, 1/2, etc)	3/4		
	Drained? (Yes/No)	Y		
	Area spill free? (Yes/No)	Y		
	Labeled as monomer waste? (Yes/No)	Y		
	Record the date on the label of drum:	Date 12-29	Date	
	Is the date on the label <45 days: (Yes/No)	Y		
	Does Drum need to be changed out? (Yes/No)	N		
	Free of leaks or evidence of leaking? (Yes/No)	Y		
	Free of dents, dings, bulging, creasing, etc? (Yes/No)	Y		
	Grounded? (Yes/No)	Y		
Hazardous Waste Accumulation Area #4	Drum Level (1/4, 1/2, etc)	3/4		
	Drained? (Yes/No)			
	Area spill free? (Yes/No)	Y		
	Labeled as monomer waste? (Yes/No)	Y		
	Record the date on the label of drum:	Date 12-29	Date	
	Is the date on the label <45 days? (Yes/No)	Y		
	Does Drum need to be changed out? (Yes/No)	N		
	Free of leaks or evidence of leaking? (Yes/No)	Y		
	Free of dents, dings, bulging, creasing, etc? (Yes/No)	Y		
	Grounded? (Yes/No)	Y		
Hazardous Waste Accumulation Area #5	Drum Level (1/4, 1/2, etc)	1/2		
	Drained? (Yes/No)	Y		
	Area spill free? (Yes/No)	Y		
	Labeled as monomer waste? (Yes/No)	Y		
	Record the date on the label of drum:	Date 12-19	Date	
	Is the date on the label <45 days? (Yes/No)	Y		
	Does Drum need to be changed out? (Yes/No)	N		
	Free of leaks or evidence of leaking? (Yes/No)	Y		

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Date: 12/29/09 Days Operator: ST Supervisor: _____

Nights Operator: _____ Supervisor: _____

Item	Check	Days	Nights	Comments
	Free of dents, dings, bulging, creasing, etc? (Yes/No)	Y		
	Grounded? (Yes/No)	Y		
Hazardous Waste Satellite Area #11	Drum Level (1/4, 1/2, etc)	1/2		
	Drained? (Yes/No)	Y		
	Area spill free? (Yes/No)	Y		
	Labeled as monomer waste? (Yes/No)	Y		
	Changed and dated if full? (Yes/No)	N/A		
	Free of leaks or evidence of leaking? (Yes/No)	Y		
	Free of dents, dings, bulging, creasing, etc? (Yes/No)	Y		
	Grounded? (Yes/No)	Y		
Containment Tote for Busch Pump Room Floor Drain	Tote empty? (Yes/No)	N		
	If not empty, determine what is inside. If just water from washing Busch pump room, then can empty into trench. If ethylene glycol, used oil, or unknown / unsure, contact Operations Engineer.	H2O FROZEN		
	Area spill free? (Yes/No)	Y		
	Labeled as wastewater? (Yes/No)	Y		
	Free of leaks or evidence of leaking? (Yes/No)	Y		
	Free of dents, dings, bulging, creasing, etc? (Yes/No)	Y		
Satellite Area Supplies	One pallet of new drums available? (Yes/No)	N/A		
Ionol supply adequate?	(Yes/No)	Y		
No. 7 Rx. Oil seal	Record level in sight glass	3/4		
No. 7 Rx. Nitrogen seal	Record pressure. Should be > 100 psig.	105		
Water flow to: (Flow indicated in sight glass)	No. 7 reactor seal. Flow visible? (Yes/No)	Y		
No. 7 Gyrol cooler. Flow visible?	(Yes/No)	Y		
-408Water scrubber flow rate. Flow rate of water through T-408 in jet room	Record flowrate. Should be > 50 gpm	Y		
Eyewash- Niko Tank	Proper flow, temperature & alarm	N/A		
No. 8 Init. Jet decanter	Drained? (Yes/No)	N		
Purge water under #8 press	Is it ON? (should be OFF if using funda)	ON		TO PREVENT FROM FREEZING
Eyewash by safety room	Proper flow, temperature & alarm	N/A		

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Date: 12/28/09 Days Operator: ST Supervisor:_____

Nights Operator:_____ Supervisor:_____

Item	Check	Days	Nights	Comments
Dust collector bag level (%)	Record level. Should be < 75% (empty as needed)	N/A		
Busch Pump Oil tank	Dike free of spills? No evidence of any leaks? (Yes/No)	Y		
No. 2 Plant Warehouse Product and Raw material Drums and Bags in.	Warehouse is free of leaking drums and spilled / torn bags? (Yes/No)	Y		
#8 Reactor jet decanter level	Report Level Drained (Yes/No)	—		
Vazo Room- Floor is clear of pallets and plastic or other debris.	(Yes/No) If NO (Please clean up)	Y		
All 5-gal pails in process area correctly labeled	(Yes/No) (If NO, please label)	N/A		
Britesorb Roll Off boxes	Cover closed? (Yes/No)	N		
	Sufficient water level in box?.(Yes/No)	Y		
	Area spill free? (Yes/No)	Y		
	Box needs emptying? (Yes/No)	N		
	If < 2 boxes need emptying, report to foreman. (Save waste $$).	N/A		
	Labeled with dated non-hazardous waste label? (Yes/No)	Y		
	PH value? (Monday and Thursday only)	N/A		
	Free of leaks or evidence of leaking? (Yes/No)	Y		
#7 and #8 base charging drain tote	Level of tote/ Emptied? (Yes/No)	1/3		
No. 8 Rx. Rupture disc pressure	Record pressure. Should be 0 psig.	0		
No. 8 Rx seal oil	Record level in sight glass. Should be visible	1/3		
No. 8 Rx seal nitrogen	Record pressure. Should be > 100 psig.	100		
No. 8 Init. seal oil	Record level in sight glass. Should be visible	1/3		
No. 8 Init. seal nitrogen	Record pressure. Should be > 110 psig.	118		
Water flow to: (Flow indicated in sight glass)	No. 8 Init. Seals. Visible flow? (Yes/No)	Y		
	No. 8 Rect. Seals (outlet pipe west side rx)Flow visible? (Yes/No)	Y		
	No. 8 Gyrol cooler. Flow visible? (Yes/No)	Y		
		—		
Thermal Ox. – Air Monitoring Yokagawa Strip Chart in Control Rm.	Does it have paper? (Yes/No)	Y		
	Record status. Power on? (Yes/No)	Y		
	Is Paper Jammed? (Yes/No)	N		
	Is Start Button Green? (Yes/No)	Y		

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Date: 12/28/09 Days Operator: ST Supervisor: _____

Nights Operator: _____ Supervisor: _____

	Item	Check	Days	Nights	Comments
		Results Legible and Clear? (Yes/No)	Y		
		If Problem, was Maintenance Notified? (Yes/No)	N/A		
	Small Britesorb dump box.	Empty? (Yes/No)	Y		
		Free of leaks or evidence of leaking? (Yes/No)	Y		
		If box is under funda, Is the lid down? (Yes/No)	—		
		Area is clean and clear of ANY spilled material? (Yes/No)	Y		
		Filter cake Under No.8 & 9 Funda & No. 8 Sparkler? (Yes/No)	N		
	All 5 gallon pails in process area correctly labeled	(Yes/No) (If NO, please label)	N/A		
	#9 Initiator base charging tote	Level of tote/ Emptied (Yes/No)	1/3		
	No. 9 Init. jet decanter	Drained? (Yes/No)	N		
	No. 9 Rx jet decanter	Drained and Purged EACH Shift? (Yes/No)	N		
	No. 9 Init. Agitator Seal	Record Level in sight glass. Should be visible.	1/3		
1.	Eyewash Busch building	Proper flow & temperature & alarm? (Yes/No)	N/A	N/A	DRAINS TO CONTAINMENT TOTE
2.	Busch rupture disc pres.	Should be 0 psig. Enter MJ if disc has failed.	0	N/A	
3	#10 Rx rupture disc pres.	Should be 0 psig. Enter MJ if disc has failed.	0	N/A	
4.	#10 Rx Agitator Seal Pres.	Record pressure. Should be 15 psig	18		
5	#10 Rx Agitator Seal Level	Should be visible (Yes/No)	Y		
6	Eyewash - Deck by VB tank	Proper flow? (Yes/No)	—		
7	9 hold agitator	Seal level (1/4,1/2, Full)	—		
8	Eyewash by sulfuric acid tank	Proper, flow, temperature & alarm (Yes/No)	—		
9	Eyewash by #9 Init. Charging	Proper flow & temperature & alarm (Yes/No)	Y		
10	#9 Trench valve	Should be CLOSED (Yes/No)	Y		
11	#10 Trench valve	Should be CLOSED (Yes/No)	Y		
12	No 9 Hold Tank pump seal pot pressure	Record pressure. Should be between 200-230 psig	225		
13	9 Hold pump	Record Seal pot level (1/2,1/4,etc.)	1/3		
14	9 Flash pump	Record Seal pot level (1/2,1/4,etc.)	1/2		
15	No 9 flash tank pump seal pot pressure	Record pressure. Should be between 200-230 psig	195		
16	Eyewash by graft pumpout header	Proper flow & temperature & alarm? (Yes/No)	—		
17	Eyewash by truck load	Proper flow & temperature & alarm? (Yes/No)	—		
18	Eyewash by Tk-526	Proper flow & temperature & alarm? (Yes/No)	—		

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Date: 12/28/09 Days Operator: ST Supervisor:

Nights Operator: Supervisor:

	Item	Check	Days	Nights		Comments		
			A	B	C	D	E	F
19	Outlet Temp. on Busch Pumps (Check on Midnights) *SEE NOTE*	Record temp. Should be 100-160°F						
20	Busch pump A in Busch room	Any indication of liquid dripping from seal? (Yes/No)	N					
21	Busch pump B in Busch room	Any indication of liquid dripping from seal? (Yes/No)	N					
22	Busch pump C in Busch room	Any indication of liquid dripping from seal? (Yes/No)	N					
23	Busch pump F in Busch room	Any indication of liquid dripping from seal? (Yes/No)	N/A					
24	Busch pump E in Busch room	Any indication of liquid dripping from seal? (Yes/No)	N					
25	Busch pump D in Busch room	Any indication of liquid dripping from seal? (Yes/No)	N					
26	P-510A monomer mix tank pump	Any indication of liquid dripping from seal? (Yes/No)	N					
27	P-510 mixed monomer tank pump	Any indication of liquid dripping from seal? (Yes/No)	N					
28	P-525	Any indication of liquid dripping from seal? (Yes/No)	N					
29	P-529	Any indication of liquid dripping from seal? (Yes/No)	N					
30	P-528 CGR Pump	Any indication of liquid dripping from seal? (Yes/No)	N					
31	P-413C recycled monomer pump	Any indication of liquid dripping from seal? (Yes/No)	N					
32	Recycle TK413C for ½ hour each shift in automatic unless producing P-1528 and or P-1365.	Verify flow and temp of pump. Ok? (Yes/No)	Y					

***If #10RX and PCGR are down leave one busch pump running and shut down the remaining pumps. Rotate that pump to a different pump every four hours.**

REVISIONS

1. Update title and number of document. Deniz Hinz 6/18/08
2. Add Monomer pumps to the inspection sheet for graft Joel Young 6/18/09
3. Added language for consistency, eliminated blanks, removed references to #7/#8/#10 Operator, general cleanup to 8 pages from 11 DHE 10/23/09

BASF Corporation	Title:	Daily Operations Inspection Checklist	
Wya Polyol Plant	No.:	WYP0213	Page 1 of 8

NOTE: MANY ITEMS ON THIS CHECKLIST ARE LEGAL REQUIREMENTS. IT IS MANDATORY THAT THIS CHECKLIST IS FILLED OUT COMPLETELY, AND RETURNED TO THE OPERATIONS SUPERVISOR FOR FILING. RECORDS ARE KEPT FOR 5 YEARS.

Date: 12/21/09 Days Operator: MC Supervisor: JLF

Nights Operator: ST Supervisor:

Item	Check	Days	Nights	Comments
Emergency radio set on SCAN mode	Record status. Should be set on SCAN mode to monitor the Emergency Channel	yes	Y	
Emergency radio volume	Record status. Volume should be turned "on"	yes	Y	
Confirm that the radios of the Shift Leader and Tank Farm Area Leader are in the SCAN mode.	Record status. Should be set on SCAN mode to monitor the Emergency Channel.	yes	OK	
Control Room pressure	Record pressure. Should be > 0.1"	.03	.04	
Air moisture analyser	Record moisture content. Should be < -90, i.e. -95, -100, etc	-76	-82	
Steam pressure	Record pressure. Should be > 105 psig. & stable	113	114	
Battery backup for temp. Indicator	Record voltage. Should be 24-30 volts	24.9	24.57	
General Monitors-#2 Plant	Record status. No alarms/no malfunctions	OK	None	
Instrument air pressure	Record pressure. Should be > 90 psig. & stable	104	102	
River water pressure	Record pressure. Should be > 65 psig. & stable	80	88	
Busch Glycol Storage level	Record level. Should be > 50%	63	63	
Busch Glycol Storage Temp.	Record temp. Should be > 140 °F	155	155	
TK526 Temp (Mercaptan)	Record temp. Should be 50-150°F.	61	61	
EO Transfer Pump	Using P-101B2? (Yes/No) If no report to coordinator	yes	Y	
PO Transfer Pump	Using P-101C2? (Yes/No) If no report to coordinator	yes	Y	
Battery backup	Ready light on? (Yes/No)	yes	Y	
Survive Air packs (Control Room)	Two cleaned and available? (Yes/No)	yes	N/A	
Eyewash pressure	Record pressure. Should be > 60 psig.	65	65	
TMP recycle	Flowing? (Yes/No)	yes	Y	
No 7 jet decanter waste **(Satellite)**	Drained and spill free? (Yes/No)	No/yes	N/Y	
	Labeled as Jet Decanter Waste? (Yes/No)	yes	Y	
	Full & Dated? (Yes/No)	yes	N/A	
	Grounded? (Yes/No)	yes	Y	
Sulfuric Acid Dike	Is the Dike Empty? (Yes/No)	No	N	
	If Not, Did You Empty? (Yes/No)	No	N	
	What Time was Dike Emptied?	NA	N/A	

NOTE: MANY ITEMS ON THIS CHECKLIST ARE LEGAL REQUIREMENTS. IT IS MANDATORY THAT THIS CHECKLIST IS FILLED OUT COMPLETELY, AND RETURNED TO THE OPERATIONS SUPERVISOR FOR FILING. RECORDS ARE KEPT FOR 5 YEARS.

Date: 12/21/09 Days Operator: CAC Supervisor: _____

Nights Operator: ST Supervisor: _____

Item	Check	Days	Nights	Comments
	If Yes, What is the pH?	N/A	N/A	
	If Yes, What is the Color?	N/A	N/A	
	# of Phases in Standing Water Sample? (1/2/NA)	N/A	N/A	
Eyewash pad by No. 7 RX	Proper flow, temperature & alarm? (Yes/No)		N/A	
#7 & #8 Trench valve	CLOSED? (Yes/No)	open	N	
Dust/Vapor collector drain drum by #7 RX. Emptied? (Yes/No)	Drum level (1/4, ½. Etc.)	N/A	1/4	
All 5-gallon pails in process area correctly labeled?	Yes or No? (If NO, please label)	N/A	Y	
Hazardous Waste **Accumulation Area #6**	Drum Level (1/4, 1/2, etc)	1/2	1/2	
	Drained? (Yes/No)	yes	Y	
	Area spill free? (Yes/No)	yes	Y	
	Labeled as monomer waste? (Yes/No)	yes	Y	
	Record the date on the label of drum:	Date 12/8	Date 12-8	
	Is the date on the label <45 days: (Yes/No)	yes	Y	
	Does Drum need to be changed out? (Yes/No)	NO	N	
	Free of leaks or evidence of leaking? (Yes/No)	yes	Y	
	Free of dents, dings, bulging, creasing, etc? (Yes/No)	yes	Y	
	Grounded? (Yes/No)		Y	
A-405B 7Reactor	Any indication of liquids dripping from seal? (Yes/No)	NO	N	
A-405C 8Reactor	Any indication of liquids dripping from seal? (Yes/No)	NO	N	
A-408C 8Initiator	Any indication of liquids dripping from seal? (Yes/No)	NO	N	
A-530 9Initiator	Any indication of liquids dripping from seal? (Yes/No)	NO	N	
A-405D 9Reactor	Any indication of liquids dripping from seal? (Yes/No)	NO	N	
VP-151 vacuum pump near D-151B in jet room	Any indication of liquids dripping from seal? (Yes/No)	NO	N	
P-151A north of D-151B in jet room	Any indication of liquids dripping from seal? (Yes/No)	NO	N	
P-405 bottom of TK-405D 9Reactor east of knock-out pot	Any indication of liquids dripping from seal? (Yes/No)	NO	N	
VP-150 vacuum pump near D-150B in jet room	Any indication of liquids dripping from seal? (Yes/No)	NO	N	

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Date: 12/21/09 Days Operator: CRC Supervisor:_____

Nights Operator: ST Supervisor:_____

Item	Check	Days	Nights	Comments
P-150A west of D-150B in jet room	Any indication of liquids dripping from seal? (Yes/No)	NO	N	
VP-530D vacuum pump near S-530DB in jet room	Any indication of liquids dripping from seal? (Yes/No)	NO	N	
P-530DB south of S-530DB in jet room	Any indication of liquids dripping from seal? (Yes/No)	NO	N	
VP-405D vacuum pump near S-405D in jet room	Any indication of liquids dripping from seal? (Yes/No)	NO	N	
P-405D south of S-405D in jet room	Any indication of liquids dripping from seal? (Yes/No)	NO	N	
P-151 west of TK-151 9Reactor vacuum condensate collection tank at ground level	Any indication of liquids dripping from seal? (Yes/No)	NO	N	
P-153B west of TK-403D scrubber recirculation tank	Any indication of liquids dripping from seal? (Yes/No)	NO	N	
P-153A west of TK-403D scrubber recirculation tank	Any indication of liquids dripping from seal? (Yes/No)	NO	N	
Hazardous Waste **Accumulation Area #7**	Drum Level (1/4, 1/2, etc)	1/3	1/3	
	Drained? (Yes/No)	YES	Y	
	Area spill free? (Yes/No)	YES	Y	
	Labeled as monomer waste? (Yes/No)	YES	Y	
	Record the date on the label of drum:	Date 11/30	Date 11-30	
	Is the date on the label <45 days? (Yes/No)	YES	Y	
	Does Drum need to be changed out? (Yes/No)	NO	N	
	Free of leaks or evidence of leaking? (Yes/No)	YES	Y	
	Free of dents, dings, bulging, creasing, etc? (Yes/No)	YES	Y	
	Grounded? (Yes/No)	YES	Y	
Hazardous Waste **Accumulation Area #8**	Drum Level (1/4, 1/2, etc)	1/3	1/3	
	Drained? (Yes/No)	[illegible]	N	LOCKED OUT
	Area spill free? (Yes/No)	[illegible]	Y	
	Labeled as monomer waste? (Yes/No)	[illegible]	Y	
	Record the date on the label of drum:	Date 12/15	Date 12-15	
	Is the date on the label <45 days? (Yes/No)	[illegible]	Y	
	Does Drum need to be changed out? (Yes/No)	[illegible]	N	
	Free of leaks or evidence of leaking? (Yes/No)		Y	

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Date: 12/21/09 Days Operator: CDC Supervisor: _____

Nights Operator: ST Supervisor: _____

Item	Check	Days	Nights	Comments
	Free of dents, dings, bulging, creasing, etc? (Yes/No)	YES	Y	
	Grounded? (Yes/No)	YES	Y	
Hazardous Waste **Accumulation Area #9**	Drum Level (1/4, 1/2, etc)	2/3	2/3	
	Drained? (Yes/No)	YES	Y	
	Area spill free? (Yes/No)	YES	Y	
	Labeled as monomer waste? (Yes/No)	YES	Y	
	Record the date on the label of drum:	Date 12/8	Date 12-8	
	Is the date on the label <45 days: (Yes/No)	YES	Y	
	Does Drum need to be changed out? (Yes/No)	NO	N	
	Free of leaks or evidence of leaking? (Yes/No)	YES	Y	
	Free of dents, dings, bulging, creasing, etc? (Yes/No)	YES	Y	
	Grounded? (Yes/No)	YES	Y	
Hazardous Waste **Accumulation Area #4**	Drum Level (1/4, 1/2, etc)	1/2	2/3	
	Drained? (Yes/No)	YES	Y	
	Area spill free? (Yes/No)	YES	Y	
	Labeled as monomer waste? (Yes/No)	YES	Y	
	Record the date on the label of drum:	Date 12/20	Date 12-20	
	Is the date on the label <45 days? (Yes/No)	YES	Y	
	Does Drum need to be changed out? (Yes/No)	NO	N	
	Free of leaks or evidence of leaking? (Yes/No)	YES	Y	
	Free of dents, dings, bulging, creasing, etc? (Yes/No)	YES	Y	
	Grounded? (Yes/No)	YES	Y	
Hazardous Waste **Accumulation Area #5**	Drum Level (1/4, 1/2, etc)	1/3	1/3	
	Drained? (Yes/No)	YES	Y	
	Area spill free? (Yes/No)	YES	Y	
	Labeled as monomer waste? (Yes/No)	YES	Y	
	Record the date on the label of drum:	Date 12/19	Date 12-19	
	Is the date on the label <45 days? (Yes/No)	YES	Y	
	Does Drum need to be changed out? (Yes/No)	NO	N	
	Free of leaks or evidence of leaking? (Yes/No)	YES	Y	

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Date: 12/21/09 Days Operator: MC Supervisor:

Nights Operator: ST Supervisor:

Item	Check	Days	Nights	Comments
	Free of dents, dings, bulging, creasing, etc? (Yes/No)	YES	Y	
	Grounded? (Yes/No)	YES	Y	
Hazardous Waste Satellite Area #11	Drum Level (1/4, 1/2, etc)	1/3	1/2	
	Drained? (Yes/No)	YES	Y	
	Area spill free? (Yes/No)	YES	Y	
	Labeled as monomer waste? (Yes/No)	YES	Y	
	Changed and dated if full? (Yes/No)	N/A	N/A	
	Free of leaks or evidence of leaking? (Yes/No)	YES	Y	
	Free of dents, dings, bulging, creasing, etc? (Yes/No)	YES	Y	
	Grounded? (Yes/No)	YES	Y	
Containment Tote for Busch Pump Room Floor Drain	Tote empty? (Yes/No)	NO	N	
	If not empty, determine what is inside. If just water from washing Busch pump room, then can empty into trench. If ethylene glycol, used oil, or unknown / unsure, contact Operations Engineer.	—	H_2O	
	Area spill free? (Yes/No)	YES	Y	
	Labeled as wastewater? (Yes/No)	YES	Y	
	Free of leaks or evidence of leaking? (Yes/No)	YES	Y	
	Free of dents, dings, bulging, creasing, etc? (Yes/No)	YES	Y	
Satellite Area Supplies	One pallet of new drums available? (Yes/No)	N/A	Y	
Ionol supply adequate?	(Yes/No)	YES	Y	
No. 7 Rx. Oil seal	Record level in sight glass	2/3	2/3	
No. 7 Rx. Nitrogen seal	Record pressure. Should be > 100 psig.	104	105	
Water flow to: (Flow indicated in sight glass)	No. 7 reactor seal. Flow visible? (Yes/No)	OK	Y	
No. 7 Gyrol cooler. Flow visible?	(Yes/No)	YES	Y	
-408Water scrubber flow rate. Flow rate of water through T-408 in jet room	Record flowrate. Should be > 50 gpm	129	128	
Eyewash- Niko Tank	Proper flow, temperature & alarm	N/A	Y	
No. 8 Init. Jet decanter	Drained? (Yes/No)	NO	N	
Purge water under #8 press	Is it ON? (should be OFF if using funda)	OFF	OFF	
Eyewash by safety room	Proper flow, temperature & alarm	N/A	Y	

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Date: 12/21/09 Days Operator: LAC Supervisor: _____

Nights Operator: ST Supervisor: _____

Item	Check	Days	Nights	Comments
Dust collector bag level (%)	Record level. Should be < 75% (empty as needed)	N/A	Mt	
Busch Pump Oil tank	Dike free of spills? No evidence of any leaks? (Yes/No)	yes	Y	
No. 2 Plant Warehouse Product and Raw material Drums and Bags in.	Warehouse is free of leaking drums and spilled / torn bags? (Yes/No)	yes	Y	
#8 Reactor jet decanter level	Report Level Drained (Yes/No)	1/4 / NO	1/4 / N	
Vazo Room- Floor is clear of pallets and plastic or other debris.	(Yes/No) If NO (Please clean up)	yes	Y	
All 5-gal pails in process area correctly labeled	(Yes/No) (If NO, please label)	N/A	Y	
Britesorb Roll Off boxes	Cover closed? (Yes/No)	NO	N	
	Sufficient water level in box? (Yes/No)	yes	Y	
	Area spill free? (Yes/No)	yes	Y	
	Box needs emptying? (Yes/No)	NO	N	
	If < 2 boxes need emptying, report to foreman. (Save waste $$)	NO	N/A	
	Labeled with dated non-hazardous waste label? (Yes/No)	yes	Y	
	PH value? (Monday and Thursday only)	N/A	N/A	
	Free of leaks or evidence of leaking? (Yes/No)	yes	Y	
#7 and #8 base charging drain tote	Level of tote/ Emptied? (Yes/No)	1/4	1/4	
No. 8 Rx. Rupture disc pressure	Record pressure. Should be 0 psig.	0	0	
No. 8 Rx seal oil	Record level in sight glass. Should be visible	1/2	1/2	
No. 8 Rx seal nitrogen	Record pressure. Should be > 100 psig.	100	100	
No. 8 Init. seal oil	Record level in sight glass. Should be visible	1/2	1/3	
No. 8 Init. seal nitrogen	Record pressure. Should be > 110 psig.	115	118	
Water flow to: (Flow indicated in sight glass)	No. 8 Init. Seals. Visible flow? (Yes/No)	yes	Y	
	No. 8 Rect. Seals (outlet pipe west side rx)Flow visible? (Yes/No)	yes	Y	
	No. 8 Gyrol cooler. Flow visible? (Yes/No)	yes	Y	
Thermal Ox. – Air Monitoring Yokagawa Strip Chart in Control Rm.	Does it have paper? (Yes/No)	yes	Y	
	Record status. Power on? (Yes/No)	yes	Y	
	Is Paper Jammed? (Yes/No)	NO	N	
	Is Start Button Green? (Yes/No)	yes	Y	

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Date: 12/21/09 Days Operator: ERC Supervisor: _____

Nights Operator: ST Supervisor: _____

Item		Check	Days	Nights	Comments
		Results Legible and Clear? (Yes/No)	yes	Y	
		If Problem, was Maintenance Notified? (Yes/No)	N/A	N/A	
Small Britesorb dump box.		Empty? (Yes/No)	yes	Y	
		Free of leaks or evidence of leaking? (Yes/No)	yes	Y	
		If box is under funda, Is the lid down? (Yes/No)	N/A	N	
		Area is clean and clear of ANY spilled material? (Yes/No)	yes	Y	
		Filter cake Under No.8 & 9 Funda & No. 8 Sparkler? (Yes/No)	OA	N	
All 5 gallon pails in process area correctly labeled		(Yes/No) (If NO, please label)	N/A	Y	
#9 Initiator base charging tote		Level of tote/ Emptied (Yes/No)	2/3		
No. 9 Init. jet decanter		Drained? (Yes/No)	NO	N	
No. 9 Rx jet decanter		Drained and Purged EACH Shift? (Yes/No)	NO	N	
No. 9 Init. Agitator Seal		Record Level in sight glass. Should be visible.	1/3	1/3	
1	Eyewash Busch building	Proper flow & temperature & alarm? (Yes/No)	—	N/A	
2	Busch rupture disc pres.	Should be 0 psig. Enter MJ if disc has failed.	0	N/A	
3	#10 Rx rupture disc pres.	Should be 0 psig. Enter MJ if disc has failed.	0	N/A	
4	#10 Rx Agitator Seal Pres.	Record pressure. Should be 15 psig	16	18	
5	#10 Rx Agitator Seal Level	Should be visible (Yes/No)	2/3	2/3	
6	Eyewash - Deck by VB tank	Proper flow? (Yes/No)	—	—	
7	9 hold agitator	Seal level (1/4,1/2, Full)	—	—	
8	Eyewash by sulfuric acid tank	Proper, flow, temperature & alarm (Yes/No)	—	—	
9	Eyewash by #9 Init. Charging	Proper flow & temperature & alarm (Yes/No)	—	Y	
10	#9 Trench valve	Should be CLOSED (Yes/No)	closed	Y	
11	#10 Trench valve	Should be CLOSED (Yes/No)	closed	Y	
12	No 9 Hold Tank pump seal pot pressure	Record pressure. Should be between 200-230 psig	225	225	
13	9 Hold pump	Record Seal pot level (1/2,1/4,etc.)	1/3	1/3	
14	9 Flash pump	Record Seal pot level (1/2,1/4,etc.)	2/3	2/3	
15	No 9 flash tank pump seal pot pressure	Record pressure. Should be between 200-230 psig	200	195	
16	Eyewash by graft pumpout header	Proper flow & temperature & alarm? (Yes/No)	—	—	
17	Eyewash by truck load	Proper flow & temperature & alarm? (Yes/No)	—	—	
18	Eyewash by Tk-526	Proper flow & temperature & alarm? (Yes/No)	—	—	

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Date: 12/21/09 Days Operator: MC Supervisor:

Nights Operator: SF Supervisor:

	Item	Check	Days	Nights	Comments			
19	Outlet Temp. on Busch Pumps (Check on Midnights) *SEE NOTE*	Record temp. Should be 100-160°F	A	B	C	D	E	F
20	Busch pump A in Busch room	Any indication of liquid dripping from seal? (Yes/No)	NO	N				
21	Busch pump B in Busch room	Any indication of liquid dripping from seal? (Yes/No)	NO	N				
22	Busch pump C in Busch room	Any indication of liquid dripping from seal? (Yes/No)	NO	N				
23	Busch pump F in Busch room	Any indication of liquid dripping from seal? (Yes/No)	N/A	N/A				
24	Busch pump E in Busch room	Any indication of liquid dripping from seal? (Yes/No)	NO	N				
25	Busch pump D in Busch room	Any indication of liquid dripping from seal? (Yes/No)	NO	N				
26	P-510A monomer mix tank pump	Any indication of liquid dripping from seal? (Yes/No)	NO	N				
27	P-510 mixed monomer tank pump	Any indication of liquid dripping from seal? (Yes/No)	NO	N				
28	P-525	Any indication of liquid dripping from seal? (Yes/No)	NO	N				
29	P-529	Any indication of liquid dripping from seal? (Yes/No)	NO	N				
30	P-528 CGR Pump	Any indication of liquid dripping from seal? (Yes/No)	NO	N				
31	P-413C recycled monomer pump	Any indication of liquid dripping from seal? (Yes/No)	NO	N				
32	Recycle TK413C for ½ hour each shift in automatic unless producing P-1528 and or P-1365.	Verify flow and temp of pump. Ok? (Yes/No)	ok	Y				

***If #10RX and PCGR are down leave one busch pump running and shut down the remaining pumps. Rotate that pump to a different pump every four hours.**

REVISIONS

1. Update title and number of document. Deniz Hinz 6/18/08
2. Add Monomer pumps to the inspection sheet for graft Joel Young 6/18/09
3. Added language for consistency, eliminated blanks, removed references to #7/#8/#10 Operator, general cleanup to 8 pages from 11 DHE 10/23/09

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Date: 12/14/09 Days Operator: [illegible] Supervisor: [illegible]

Nights Operator: _____ Supervisor: _____

Item	Check	Days	Nights	Comments
Emergency radio set on SCAN mode	Record status. Should be set on SCAN mode to monitor the Emergency Channel	Y		
Emergency radio volume	Record status. Volume should be turned "on"	ON		
Confirm that the radios of the Shift Leader and Tank Farm Area Leader are in the SCAN mode.	Record status. Should be set on SCAN mode to monitor the Emergency Channel.	Y		
Control Room pressure	Record pressure. Should be > 0.1"	[illegible]		
Air moisture analyser	Record moisture content. Should be < -90, i.e. -95, -100, etc	-77		
Steam pressure	Record pressure. Should be > 105 psig. & stable	115		
Battery backup for temp. Indicator	Record voltage. Should be 24-30 volts	24.82		
General Monitors-#2 Plant	Record status. No alarms/no malfunctions	NONE		
Instrument air pressure	Record pressure. Should be > 90 psig. & stable	100		
River water pressure	Record pressure. Should be > 65 psig. & stable	84		
Busch Glycol Storage level	Record level. Should be > 50%	63		
Busch Glycol Storage Temp.	Record temp. Should be > 140 °F	155		
TK526 Temp (Mercaptan)	Record temp. Should be 50-150°F.	62		
EO Transfer Pump	Using P-101B2? (Yes/No) If no report to coordinator	Y		
PO Transfer Pump	Using P-101C2? (Yes/No) If no report to coordinator	Y		
Battery backup	Ready light on? (Yes/No)	Y		
Survive Air packs (Control Room)	Two cleaned and available? (Yes/No)	Y	N/A	
Eyewash pressure	Record pressure. Should be > 60 psig.	67		
TMP recycle	Flowing? (Yes/No)	Y		
No 7 jet decanter waste **(Satellite)**	Drained and spill free? (Yes/No)	N Y		
	Labeled as Jet Decanter Waste? (Yes/No)	Y		
	Full & Dated? (Yes/No)	NO		
	Grounded? (Yes/No)	Y		
Sulfuric Acid Dike	Is the Dike Empty? (Yes/No)	N		
	If Not, Did You Empty? (Yes/No)	N		
	What Time was Dike Emptied?	N/A		

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Date: 12/14/09 Days Operator: [illegible] Supervisor: [illegible]

Nights Operator: _____ Supervisor: _____

Item	Check	Days	Nights	Comments
	If Yes, What is the pH?	N/A		
	If Yes, What is the Color?	N/A		
	# of Phases in Standing Water Sample? (1/2/NA)	N/A		
Eyewash pad by No. 7 RX	Proper flow, temperature & alarm? (Yes/No)	—	N/A	
#7 & #8 Trench valve	CLOSED? (Yes/No)			
Dust/Vapor collector drain drum by #7 RX. Emptied? (Yes/No)	Drum level (1/4, ½. Etc.)	N/A		
All 5-gallon pails in process area correctly labeled?	Yes or No? (If NO, please label)	N/A		
Hazardous Waste **Accumulation Area #6**	Drum Level (1/4, 1/2, etc)	1/4		
	Drained? (Yes/No)	Y		
	Area spill free? (Yes/No)	Y		
	Labeled as monomer waste? (Yes/No)	Y		
	Record the date on the label of drum:	Date 12/3/09	Date	
	Is the date on the label <45 days: (Yes/No)	Y		
	Does Drum need to be changed out? (Yes/No)	N		
	Free of leaks or evidence of leaking? (Yes/No)	Y		
	Free of dents, dings, bulging, creasing, etc? (Yes/No)	Y		
	Grounded? (Yes/No)	Y		
A-405B 7Reactor	Any indication of liquids dripping from seal? (Yes/No)	N		
A-405C 8Reactor	Any indication of liquids dripping from seal? (Yes/No)	N		
A-408C 8Initiator	Any indication of liquids dripping from seal? (Yes/No)	N		
A-530 9Initiator	Any indication of liquids dripping from seal? (Yes/No)	N		
A-405D 9Reactor	Any indication of liquids dripping from seal? (Yes/No)	N		
VP-151 vacuum pump near D-151B in jet room	Any indication of liquids dripping from seal? (Yes/No)	N		
P-151A north of D-151B in jet room	Any indication of liquids dripping from seal? (Yes/No)	N		
P-405 bottom of TK-405D 9Reactor east of knock-out pot	Any indication of liquids dripping from seal? (Yes/No)	N		
VP-150 vacuum pump near D-150B in jet room	Any indication of liquids dripping from seal? (Yes/No)	N		

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Date: 12/14/09 Days Operator: DSW Supervisor: [illegible]

Nights Operator: _____ Supervisor: _____

Item	Check	Days	Nights	Comments
P-150A west of D-150B in jet room	Any indication of liquids dripping from seal? (Yes/No)	N		
VP-530D vacuum pump near S-530DB in jet room	Any indication of liquids dripping from seal? (Yes/No)	N		
P-530DB south of S-530DB in jet room	Any indication of liquids dripping from seal? (Yes/No)	N		
VP-405D vacuum pump near S-405D in jet room	Any indication of liquids dripping from seal? (Yes/No)	N		
P-405D south of S-405D in jet room	Any indication of liquids dripping from seal? (Yes/No)	N		
P-151 west of TK-151 9Reactor vacuum condensate collection tank at ground level	Any indication of liquids dripping from seal? (Yes/No)	N		
P-153B west of TK-403D scrubber recirculation tank	Any indication of liquids dripping from seal? (Yes/No)	N		
P-153A west of TK-403D scrubber recirculation tank	Any indication of liquids dripping from seal? (Yes/No)	N		
Hazardous Waste **Accumulation Area #7**	Drum Level (1/4, 1/2, etc)	1/4		
	Drained? (Yes/No)	Y		
	Area spill free? (Yes/No)	Y		
	Labeled as monomer waste? (Yes/No)	Y		
	Record the date on the label of drum:	Date 11/30/09	Date	
	Is the date on the label <45 days? (Yes/No)	Y		
	Does Drum need to be changed out? (Yes/No)	N		
	Free of leaks or evidence of leaking? (Yes/No)	Y		
	Free of dents, dings, bulging, creasing, etc? (Yes/No)	Y		
	Grounded? (Yes/No)	Y		
Hazardous Waste **Accumulation Area #8**	Drum Level (1/4, 1/2, etc)	1/2		
	Drained? (Yes/No)	Y		
	Area spill free? (Yes/No)	Y		
	Labeled as monomer waste? (Yes/No)	Y		
	Record the date on the label of drum:	Date 11/1/09	Date	
	Is the date on the label <45 days? (Yes/No)	Y		
	Does Drum need to be changed out? (Yes/No)	N		
	Free of leaks or evidence of leaking? (Yes/No)	Y		

BASF Corporation	Title:	Daily Operations Inspection Checklist	
Wya Polyol Plant	No.:	WYP0213	Page 4 of 8

NOTE: MANY ITEMS ON THIS CHECKLIST ARE LEGAL REQUIREMENTS. IT IS MANDATORY THAT THIS CHECKLIST IS FILLED OUT COMPLETELY, AND RETURNED TO THE OPERATIONS SUPERVISOR FOR FILING. RECORDS ARE KEPT FOR 5 YEARS.

Date: 12/14/09 Days Operator: DJW Supervisor: [illegible]

Nights Operator: _____ Supervisor: _____

Item	Check	Days	Nights	Comments
	Free of dents, dings, bulging, creasing, etc? (Yes/No)	Y		
	Grounded? (Yes/No)	Y		
Hazardous Waste **Accumulation Area #9**	Drum Level (1/4, 1/2, etc)	1/3		
	Drained? (Yes/No)	Y		
	Area spill free? (Yes/No)	Y		
	Labeled as monomer waste? (Yes/No)	Y		
	Record the date on the label of drum:	Date 12/4/09	Date	
	Is the date on the label <45 days: (Yes/No)	Y		
	Does Drum need to be changed out? (Yes/No)	N		
	Free of leaks or evidence of leaking? (Yes/No)	Y		
	Free of dents, dings, bulging, creasing, etc? (Yes/No)	Y		
	Grounded? (Yes/No)	Y		
Hazardous Waste **Accumulation Area #4**	Drum Level (1/4, 1/2, etc)	2/3		
	Drained? (Yes/No)	Y		
	Area spill free? (Yes/No)	Y		
	Labeled as monomer waste? (Yes/No)	Y		
	Record the date on the label of drum:	Date 12/12/09	Date	
	Is the date on the label <45 days? (Yes/No)	Y		
	Does Drum need to be changed out? (Yes/No)	N		
	Free of leaks or evidence of leaking? (Yes/No)	Y		
	Free of dents, dings, bulging, creasing, etc? (Yes/No)	Y		
	Grounded? (Yes/No)	Y		
Hazardous Waste **Accumulation Area #5**	Drum Level (1/4, 1/2, etc)	2/3		
	Drained? (Yes/No)	Y		
	Area spill free? (Yes/No)	Y		
	Labeled as monomer waste? (Yes/No)	Y		
	Record the date on the label of drum:	Date 11/12/09	Date	
	Is the date on the label <45 days? (Yes/No)	Y		
	Does Drum need to be changed out? (Yes/No)	N		
	Free of leaks or evidence of leaking? (Yes/No)	Y		

BASF Corporation	Title:	Daily Operations Inspection Checklist	
Wya Polyol Plant	No.:	WYP0213	Page 5 of 8

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Date: 12/24/09 Days Operator: DJW Supervisor: LC

Nights Operator: _____ Supervisor: _____

Item	Check	Days	Nights	Comments
	Free of dents, dings, bulging, creasing, etc? (Yes/No)	Y		
	Grounded? (Yes/No)	Y		
Hazardous Waste Satellite Area #11	Drum Level (1/4, 1/2, etc)	1/3		
	Drained? (Yes/No)	Y		
	Area spill free? (Yes/No)	Y		
	Labeled as monomer waste? (Yes/No)	Y		
	Changed and dated if full? (Yes/No)	N		
	Free of leaks or evidence of leaking? (Yes/No)	Y		
	Free of dents, dings, bulging, creasing, etc? (Yes/No)	Y		
	Grounded? (Yes/No)	Y		
Containment Tote for Busch Pump Room Floor Drain	Tote empty? (Yes/No)	Y		
	If not empty, determine what is inside. If just water from washing Busch pump room, then can empty into trench. If ethylene glycol, used oil, or unknown / unsure, contact Operations Engineer.	N/A		
	Area spill free? (Yes/No)	Y		
	Labeled as wastewater? (Yes/No)	Y		
	Free of leaks or evidence of leaking? (Yes/No)	Y		
	Free of dents, dings, bulging, creasing, etc? (Yes/No)	Y		
Satellite Area Supplies	One pallet of new drums available? (Yes/No)	N/A		
Ionol supply adequate?	(Yes/No)	Y		
No. 7 Rx. Oil seal	Record level in sight glass			
No. 7 Rx. Nitrogen seal	Record pressure. Should be > 100 psig.			
Water flow to: (Flow indicated in sight glass)	No. 7 reactor seal. Flow visible? (Yes/No)	Y		
No. 7 Gyrol cooler. Flow visible?	(Yes/No)	Y		
-408Water scrubber flow rate. Flow rate of water through T-408 in jet room	Record flowrate. Should be > 50 gpm	139		
Eyewash- Niko Tank	Proper flow, temperature & alarm	N/A		
No. 8 Init. Jet decanter	Drained? (Yes/No)	N		
Purge water under #8 press	Is it ON? (should be OFF if using funda)	OFF		
Eyewash by safety room	Proper flow, temperature & alarm	N/A		

BASF Corporation	Title:	Daily Operations Inspection Checklist	
Wya Polyol Plant	No.:	WYP0213	Page 6 of 8

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Date: 12/14/09 Days Operator: DJN Supervisor: CO

Nights Operator: _____ Supervisor: _____

Item	Check	Days	Nights	Comments
Dust collector bag level (%)	Record level. Should be < 75% (empty as needed)	N/A		
Busch Pump Oil tank	Dike free of spills? No evidence of any leaks? (Yes/No)	Y		
No. 2 Plant Warehouse Product and Raw material Drums and Bags in.	Warehouse is free of leaking drums and spilled / torn bags? (Yes/No)	Y		
#8 Reactor jet decanter level	Report Level Drained (Yes/No)			
Vazo Room- Floor is clear of pallets and plastic or other debris.	(Yes/No) If NO (Please clean up)	Y		
All 5-gal pails in process area correctly labeled	(Yes/No) (If NO, please label)	N/A		
Britesorb Roll Off boxes	Cover closed? (Yes/No)	N		MT
	Sufficient water level in box? (Yes/No)	Y		
	Area spill free? (Yes/No)	Y		
	Box needs emptying? (Yes/No)	N		
	If < 2 boxes need emptying, report to foreman. (Save waste $$)	N/A		
	Labeled with dated non-hazardous waste label? (Yes/No)	Y		
	PH value? (Monday and Thursday only)	N/A		
	Free of leaks or evidence of leaking? (Yes/No)	Y		
#7 and #8 base charging drain tote	Level of tote/ Emptied? (Yes/No)	1/2 N		
No. 8 Rx. Rupture disc pressure	Record pressure. Should be 0 psig.	0		
No. 8 Rx seal oil	Record level in sight glass. Should be visible	3/4		
No. 8 Rx seal nitrogen	Record pressure. Should be > 100 psig.	105		
No. 8 Init. seal oil	Record level in sight glass. Should be visible			
No. 8 Init. seal nitrogen	Record pressure. Should be > 110 psig.	119		
Water flow to:(Flow indicated in sight glass)	No. 8 Init. Seals. Visible flow? (Yes/No)	Y		
	No. 8 Rect. Seals (outlet pipe west side rx)Flow visible? (Yes/No)	Y		
	No. 8 Gyrol cooler. Flow visible? (Yes/No)	Y		
Thermal Ox. – Air Monitoring Yokagawa Strip Chart in Control Rm.	Does it have paper? (Yes/No)	Y		
	Record status. Power on? (Yes/No)	Y		
	Is Paper Jammed? (Yes/No)	N		
	Is Start Button Green? (Yes/No)	Y		

BASF Corporation	Title:	Daily Operations Inspection Checklist	
Wya Polyol Plant	No.:	WYP0213	Page 7 of 8

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Date: 12/14/09 Days Operator: DN Supervisor: [illegible]

Nights Operator: _____ Supervisor: _____

Item		Check	Days	Nights	Comments
		Results Legible and Clear? (Yes/No)	Y		
		If Problem, was Maintenance Notified? (Yes/No)	N/A		
Small Britesorb dump box.		Empty? (Yes/No)	Y		
		Free of leaks or evidence of leaking? (Yes/No)	Y		
		If box is under funda, Is the lid down? (Yes/No)	Y N		
		Area is clean and clear of ANY spilled material? (Yes/No)	Y		
		Filter cake Under No.8 & 9 Funda & No. 8 Sparkler? (Yes/No)	✓		
All 5 gallon pails in process area correctly labeled		(Yes/No) (If NO, please label)	N/A		
#9 Initiator base charging tote		Level of tote/ Emptied (Yes/No)	1/3 N		
No. 9 Init. jet decanter		Drained? (Yes/No)	Y		
No. 9 Rx jet decanter		Drained and Purged EACH Shift? (Yes/No)	N		
No. 9 Init. Agitator Seal		Record Level in sight glass. Should be visible.			
1	Eyewash Busch building	Proper flow & temperature & alarm? (Yes/No)	—	N/A	
2	Busch rupture disc pres.	Should be 0 psig. Enter MJ if disc has failed.		N/A	
3	#10 Rx rupture disc pres.	Should be 0 psig. Enter MJ if disc has failed.		N/A	
4	#10 Rx Agitator Seal Pres.	Record pressure. Should be 15 psig			
5	#10 Rx Agitator Seal Level	Should be visible (Yes/No)			
6	Eyewash - Deck by VB tank	Proper flow? (Yes/No)			
7	9 hold agitator	Seal level (1/4,1/2, Full)			
8	Eyewash by sulfuric acid tank	Proper, flow, temperature & alarm (Yes/No)	—		
9	Eyewash by #9 Init. Charging	Proper flow & temperature & alarm (Yes/No)	—		
10	#9 Trench valve	Should be CLOSED (Yes/No)	N		WASHING
11	#10 Trench valve	Should be CLOSED (Yes/No)	N		
12	No 9 Hold Tank pump seal pot pressure	Record pressure. Should be between 200-230 psig			
13	9 Hold pump	Record Seal pot level (1/2,1/4,etc.)			
14	9 Flash pump	Record Seal pot level (1/2,1/4,etc.)			
15	No 9 flash tank pump seal pot pressure	Record pressure. Should be between 200-230 psig			
16	Eyewash by graft pumpout header	Proper flow & temperature & alarm? (Yes/No)	—		
17	Eyewash by truck load	Proper flow & temperature & alarm? (Yes/No)	—		
18	Eyewash by Tk-526	Proper flow & temperature & alarm? (Yes/No)	—		

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Date: 12/14/09 Days Operator: DSN Supervisor: LO

Nights Operator: _____ Supervisor: _____

	Item	Check	Days	Nights		Comments		
19	Outlet Temp. on Busch Pumps (Check on Midnights) *SEE NOTE*	Record temp. Should be 100-160°F	A	B	C	D	E	F
20	Busch pump A in Busch room	Any indication of liquid dripping from seal? (Yes/No)	N					
21	Busch pump B in Busch room	Any indication of liquid dripping from seal? (Yes/No)	N					
22	Busch pump C in Busch room	Any indication of liquid dripping from seal? (Yes/No)	N					
23	Busch pump F in Busch room	Any indication of liquid dripping from seal? (Yes/No)	N					
24	Busch pump E in Busch room	Any indication of liquid dripping from seal? (Yes/No)	N					
25	Busch pump D in Busch room	Any indication of liquid dripping from seal? (Yes/No)	N					
26	P-510A monomer mix tank pump	Any indication of liquid dripping from seal? (Yes/No)	N					
27	P-510 mixed monomer tank pump	Any indication of liquid dripping from seal? (Yes/No)	N					
28	P-525	Any indication of liquid dripping from seal? (Yes/No)	N					
29	P-529	Any indication of liquid dripping from seal? (Yes/No)	N					
30	P-528 CGR Pump	Any indication of liquid dripping from seal? (Yes/No)	N					
31	P-413C recycled monomer pump	Any indication of liquid dripping from seal? (Yes/No)	N					
32	Recycle TK413C for ½ hour each shift in automatic unless producing P-1528 and or P-1365.	Verify flow and temp of pump. Ok? (Yes/No)	Y					

***If #10RX and PCGR are down leave one busch pump running and shut down the remaining pumps. Rotate that pump to a different pump every four hours.**

REVISIONS

1. Update title and number of document. Deniz Hinz 6/18/08
2. Add Monomer pumps to the inspection sheet for graft Joel Young 6/18/09
3. Added language for consistency, eliminated blanks, removed references to #7/#8/#10 Operator, general cleanup to 8 pages from 11 DHE 10/23/09

BASF Corporation	Title:	Hazardous Waste Satellite Storage Log		
Wya Polyol Plant	No.:	WYP0222	Page:	1 of 4

WASTE SATELLITE STORAGE AREA - INSPECTION/TRANSFER LOG
RETURN COMPLETED LOG TO SUPERVISOR TO BE FILED IN THE POLYOL DOCUMENT CENTER
SITE WASTE WARHOUSE HOURS MONDAY/WEDNESDAY 1-2PM, FRIDAY 10-11 AM

DATE: 12/7/09 TIME: 12:00 INSPECTED BY (PRINT FULL NAME): JERRY FIGURSKI

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2	#7 Jet Decanter Waste (W-035)	OK	OK	OK	OK	3/4	YES	OK	N/A	N/A
1	Neutralized MDI Waste (W-067)	OK	OK	OK	OK	PART	NO	OK	N/A	N/A
11	Monomer Waste (W-010)	OK	OK	OK	OK	1/4	YES	OK	N/A	N/A
12	Neutralized TDI Waste (W-068)	OK	OK	OK	OK	PART	NO	OK	N/A	N/A
13	Sugar/Pent/Polyol (A-645)	OK	OK	OK	OK	1/2	NO	OK	N/A	N/A
14	Waste TDA (W-009)	OUT	OF	SERVICE						
15	Waste Toluene Filters (#3BB for carbon beds) (W-799)	OK	OK	OK	OK	MT	NO	OK	N/A	N/A
	Used Oil (A-603-08) Flammable Shed Maintence Pad	OK	OK	OK	OK	MT	NO	OK	N/A	N/A
	Polyol QA Waste (W-760) (Will be inside of retain room)	OK	OK	OK	OK	1/2	YES	OK	N/A	N/A
	Crushed Glass (A-616) (Will be inside of retain room)	OK	OK	OK	OK	1/2	NO	OK	N/A	N/A
	Waste Aerosols (W-904) In Maintence Shop	OK	OK	OK	OK	PART	NO	OK	N/A	N/A

WASTE TRANSFERS / COMMENTS (PLEASE LOG ALL TRANSFERS WITH INDIVIDUAL CONTAINER WEIGHTS IN POUNDS

BASF Corporation	Title:	Hazardous Waste Satellite Storage Log		
Wya Polyol Plant	No.:	WYP0222	Page:	3 of 4

HAZARDOUS WASTE < 90 DAY ACCUMULATIONS STORAGE AREA - INSPECTION/TRANSFER LOG
RETURN COMPLETED LOG TO SUPERVISOR TO BE FILED IN THE POLYOL DOCUMENT CENTER
SITE WASTE WARHOUSE HOURS MONDAY/WEDNESDAY 1-2PM, FRIDAY 10-11 AM

DATE: 12/2/09 TIME: 12:00 INSPECTED BY (PRINT FULL NAME): JERRY FIGURSKI

[illegible]	[illegible]	RECORD THE DATE OFF THE LABEL, IS IT <45 DAYS OLD?	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4	Monomer Waste (W-010)	Date: 12/5	OK	OK	1/4	YES	OK	NO	1
5	Monomer Waste (W-010)	Date: 11/2	OK	OK	1/4	YES	OK	NO	1
6	Monomer Waste (W-010)	Date: 11/12	OK	OK	1/2	YES	OK	NO	1
7	Monomer Waste (W-010)	Date: 11/30	OK	OK	3/4	YES	OK	NO	
8	Monomer Waste (W-010)	Date: 12/1	OK	OK	1/4	YES	OK	NO	1
9	Monomer Waste (W-010)	Date: 11/10	OK	OK	1/4	YES	OK	NO	
							OK	NO	

WASTE TRANSFERS / COMMENTS (PLEASE LOG ALL TRANSFERS WITH INDIVIDUAL CONTAINER WEIGHTS IN POUNDS)

BASF Corporation	Title:	Hazardous Waste Satellite Storage Log		
Wya Polyol Plant	No.:	WYP0222	Page:	3 of 4

HAZARDOUS WASTE < 90 DAY ACCUMULATIONS STORAGE AREA - INSPECTION/TRANSFER LOG
RETURN COMPLETED LOG TO SUPERVISOR TO BE FILED IN THE POLYOL DOCUMENT CENTER
SITE WASTE WARHOUSE HOURS MONDAY/WEDNESDAY 1-2PM, FRIDAY 10-11 AM

DATE: 12/2/09 TIME: 12:00 INSPECTED BY (PRINT FULL NAME): JERRY FIGURSKI

[illegible]	[illegible]	START DATE ON LABEL IS <11 MONTHS	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1	Waste Batteries (U-800) Supervisor's Office **(Dispose of >11 months)**	OK	OK	OK	OK	OK	PART	OK	N/A	N/A
2	Waste Batteries (U-800) Maintenance Shop **(Dispose of >11 months)**	OK	OK	OK	OK	OK	PART	OK	N/A	N/A

WASTE TRANSFERS / COMMENTS (PLEASE LOG ALL TRANSFERS WITH INDIVIDUAL CONTAINER WEIGHTS IN POUNDS)

BASF Corporation	Title:	Daily Operations Inspection Checklist	
Wya Polyol Plant	No.:	WYP0213	Page 1 of 9

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Date: 12/29/10 Days Operator: ST Supervisor: ST

Nights Operator: _____ Supervisor: _____

Item	Check	Days	Nights	Comments
Emergency radio set on SCAN mode	Record status. Should be set on SCAN mode to monitor the Emergency Channel	OK		
Emergency radio volume	Record status. Volume should be turned "on"	OK		
Confirm that the radios of the Shift Leader and Tank Farm Area Leader are in the SCAN mode.	Record status. Should be set on SCAN mode to monitor the Emergency Channel.	OK		
Control Room pressure	Record pressure. Should be > 0.1"	.07		
Air moisture analyser	Record moisture content. Should be < -90, i.e. -95, -100, etc	-99		
Steam pressure	Record pressure. Should be > 105 psig. & stable	112		
Battery backup for temp. Indicator	Record voltage. Should be 24-30 volts	24.57		
General Monitors-#2 Plant	Record status. No alarms/no malfunctions	NONE		
Instrument air pressure	Record pressure. Should be > 90 psig. & stable	102		
River water pressure	Record pressure. Should be > 65 psig. & stable	80		
Busch Glycol Storage level	Record level. Should be > 50%	61		
Busch Glycol Storage Temp.	Record temp. Should be > 140 °F	145		
TK526 Temp (Mercaptan)	Record temp. Should be 50-150°F.	70		
EO Transfer Pump	Using P-101B2? (Yes/No) If no report to coordinator	NOT	RUNNING	
PO Transfer Pump	Using P-101C2? (Yes/No) If no report to coordinator	Y		
Battery backup	Ready light on? (Yes/No)	ON		
Survive Air packs (Control Room)	Two cleaned and available? (Yes/No)	Y	N/A	
Eyewash pressure	Record pressure. Should be > 60 psig.	65		
TMP recycle	Flowing? (Yes/No)	Y		
No 7 jet decanter waste (Satellite)	Drained and spill free? (Yes/No)	N/Y		
[redacted]	Labeled as Jet Decanter Waste? (Yes/No)	Y		
[redacted]	Full & Dated? (Yes/No)	N		
[redacted]	Grounded? (Yes/No)	Y		
Sulfuric Acid Dike	Is the Dike Empty? (Yes/No)	Y		
[redacted]	If Not, Did You Empty? (Yes/No)	N/A		
[redacted]	What Time was Dike Emptied?	N/A		

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File Name: WYP0213 DAILY OPERATIONS INSPECTION SHEET; Owner Name: Bryan, Jeff

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Date: 12/29/10 Days Operator: ST Supervisor: ST

Nights Operator: _____ Supervisor: _____

Item	Check	Days	Nights	Comments
[redacted]	If Yes, What is the pH?	N/A		
[redacted]	If Yes, What is the Color?	N/A		
[redacted]	# of Phases in Standing Water Sample? (1/2/NA)	N/A		
Eyewash pad by No. 7 RX	Proper flow, temperature & alarm? (Yes/No)	—	N/A	
#7 & #8 Trench valve	CLOSED? (Yes/No)	N		
Dust/Vapor collector drain drum by #7 RX. Emptied? (Yes/No)	Drum level (1/4, ½ Etc.)	N/A		
All 5-gallon pails in process area correctly labeled?	Yes or No? (If NO, please label)	N/A		
Hazardous Waste **Accumulation Area #6**	Drum Level (1/4, 1/2, etc)	1/4		
[redacted]	Drained? (Yes/No)	Y		
[redacted]	Area spill free? (Yes/No)	Y		
[redacted]	Labeled as monomer waste? (Yes/No)	Y		
[redacted]	Record the date on the label of drum:	Date 12-22	Date	
[redacted]	Is the date on the label <45 days: (Yes/No)	Y		
[redacted]	Does Drum need to be changed out? (Yes/No)	N		
[redacted]	Free of leaks or evidence of leaking? (Yes/No)	Y		
[redacted]	Free of dents, dings, bulging, creasing, etc? (Yes/No)	Y		
[redacted]	Grounded? (Yes/No)	Y		
[redacted]	Manual Vent Valve Closed? (YES/NO)	Y		
A-405B 7Reactor	Any indication of liquids dripping from seal? (Yes/No)	N		
A-405C 8Reactor	Any indication of liquids dripping from seal? (Yes/No)	N		
A-408C 8Initiator	Any indication of liquids dripping from seal? (Yes/No)	N		
A-530 9Initiator	Any indication of liquids dripping from seal? (Yes/No)	N		
A-405D 9Reactor	Any indication of liquids dripping from seal? (Yes/No)	N		
VP-151 vacuum pump near D-151B in jet room	Any indication of liquids dripping from seal? (Yes/No)	N		
P-151A north of D-151B in jet room	Any indication of liquids dripping from seal? (Yes/No)	N		
P-405 bottom of TK-405D 9Reactor east of knock-out pot	Any indication of liquids dripping from seal? (Yes/No)	N		

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BASF Corporation	Title:	Daily Operations Inspection Checklist	
Wya Polyol Plant	No.:	WYP0213	Page 3 of 9

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Date: 12/29/10 Days Operator: ST Supervisor: ST

Nights Operator: _____ Supervisor: _____

Item	Check	Days	Nights	Comments
VP-150 vacuum pump near D-150B in jet room	Any indication of liquids dripping from seal? (Yes/No)	N		
P-150A west of D-150B in jet room	Any indication of liquids dripping from seal? (Yes/No)	N		
VP-530D vacuum pump near S-530DB in jet room	Any indication of liquids dripping from seal? (Yes/No)	N		
P-530DB south of S-530DB in jet room	Any indication of liquids dripping from seal? (Yes/No)	N		
VP-405D vacuum pump near S-405D in jet room	Any indication of liquids dripping from seal? (Yes/No)	N		
P-405D south of S-405D in jet room	Any indication of liquids dripping from seal? (Yes/No)	N		
P-151 west of TK-151 9Reactor vacuum condensate collection tank at ground level	Any indication of liquids dripping from seal? (Yes/No)	N		
P-153B west of TK-403D scrubber recirculation tank	Any indication of liquids dripping from seal? (Yes/No)	N		
P-153A west of TK-403D scrubber recirculation tank	Any indication of liquids dripping from seal? (Yes/No)	N		
Hazardous Waste Accumulation Area #7	Drum Level (1/4, 1/2, etc)	1/2		
	Drained? (Yes/No)	Y		
	Area spill free? (Yes/No)	Y		
	Labeled as monomer waste? (Yes/No)	Y		
	Record the date on the label of drum:	Date 12-27	Date	
	Is the date on the label <45 days? (Yes/No)	Y		
	Does Drum need to be changed out? (Yes/No)	N		
	Free of leaks or evidence of leaking? (Yes/No)	Y		
	Free of dents, dings, bulging, creasing, etc? (Yes/No)	Y		
	Grounded? (Yes/No)	Y		
	Manual Vent Valve Closed? (YES/NO)	Y		
Hazardous Waste Accumulation Area #8	Drum Level (1/4, 1/2, etc)	3/4		
	Drained? (Yes/No)	Y		
	Area spill free? (Yes/No)	Y		
	Labeled as monomer waste? (Yes/No)	Y		
	Record the date on the label of drum:	Date 12-5	Date	
	Is the date on the label <45 days? (Yes/No)	Y		

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Date: 12/29/10 Days Operator: ST Supervisor: ST

Nights Operator: _____ Supervisor: _____

Item	Check	Days	Nights	Comments
	Does Drum need to be changed out? (Yes/No)	N		
	Free of leaks or evidence of leaking? (Yes/No)	Y		
	Free of dents, dings, bulging, creasing, etc? (Yes/No)	Y		
	Grounded? (Yes/No)	Y		
	Manual Vent Valve Closed? (YES/NO)	Y		
Hazardous Waste Accumulation Area #9	Drum Level (1/4, 1/2, etc)	1/2		
	Drained? (Yes/No)	Y		
	Area spill free? (Yes/No)	Y		
	Labeled as monomer waste? (Yes/No)	Y		
	Record the date on the label of drum:	Date 12-23	Date	
	Is the date on the label <45 days: (Yes/No)	Y		
	Does Drum need to be changed out? (Yes/No)	N		
	Free of leaks or evidence of leaking? (Yes/No)	Y		
	Free of dents, dings, bulging, creasing, etc? (Yes/No)	Y		
	Grounded? (Yes/No)	Y		
	Manual Vent Valve Closed? (YES/NO)	Y		
Hazardous Waste Accumulation Area #4	Drum Level (1/4, 1/2, etc)	1/2		
	Drained? (Yes/No)	Y		
	Area spill free? (Yes/No)	Y		
	Labeled as monomer waste? (Yes/No)	Y		
	Record the date on the label of drum:	Date 12-29	Date	
	Is the date on the label <45 days? (Yes/No)	Y		
	Does Drum need to be changed out? (Yes/No)	N		
	Free of leaks or evidence of leaking? (Yes/No)	Y		
	Free of dents, dings, bulging, creasing, etc? (Yes/No)	Y		
	Grounded? (Yes/No)	Y		
	Manual Vent Valve Closed? (YES/NO)	Y		
Hazardous Waste Accumulation Area #5	Drum Level (1/4, 1/2, etc)	1/8		
	Drained? (Yes/No)	Y		
	Area spill free? (Yes/No)	Y		

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Item	Check	Days	Nights	Comments
	Labeled as monomer waste? (Yes/No)	Y		
	Record the date on the label of drum:	Date 12-6	Date	
	Is the date on the label <45 days? (Yes/No)	Y		
	Does Drum need to be changed out? (Yes/No)	N		
	Free of leaks or evidence of leaking? (Yes/No)	Y		
	Free of dents, dings, bulging, creasing, etc? (Yes/No)	Y		
	Grounded? (Yes/No)	Y		
	Manual Vent Valve Closed? (YES/NO)	Y		
Hazardous Waste Satellite Area #11	Drum Level (1/4, 1/2, etc)	1/2		
	Drained? (Yes/No)	Y		
	Area spill free? (Yes/No)	Y		
	Labeled as monomer waste? (Yes/No)	Y		
	Changed and dated if full? (Yes/No)	N		
	Free of leaks or evidence of leaking? (Yes/No)	Y		
	Free of dents, dings, bulging, creasing, etc? (Yes/No)	Y		
	Grounded? (Yes/No)	Y		
	Manual Vent Valve Closed? (YES/NO)	Y		
D702 Knock Out Waste **(P-025) (Would be located near Oxide KO pot at TO this waste is generated in relation with TO trips.)**	Is there one located near D702 Knock Pot? YES or NO	N		
	Does drum contain material? YES or NO	N/A		
	Labeled as P-025 Waste YES or NO?	N/A		
	Drum disconnected from D702? YES or NO	N/A		
	Drum Free of leaks and damage? YES or NO	N/A		
	Drum dated as full? YES or NO	N/A		
Containment Tote for Busch Pump Room Floor Drain	Tote empty? (Yes/No)	N		
	If not empty, determine what is inside. If just water from washing Busch pump room, then can empty into trench. If ethylene glycol, used oil, or unknown / unsure, contact Operations Engineer.	H_2O		
	Area spill free? (Yes/No)	Y		

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Nights Operator: _____ **Supervisor:** _____

Item	Check	Days	Nights	Comments
[redacted]	Labeled as wastewater? (Yes/No)	Y		
[redacted]	Free of leaks or evidence of leaking? (Yes/No)	Y		
[redacted]	Free of dents, dings, bulging, creasing, etc? (Yes/No)	Y		
Satellite Area Supplies	One pallet of new drums available? (Yes/No)	N/A		
Ionol supply adequate?	(Yes/No)	Y		
No. 7 Rx. Oil seal	Record level in sight glass	5/8		
No. 7 Rx. Nitrogen seal	Record pressure. Should be > 100 psig.	105		
Water flow to: (Flow indicated in sight glass)	No. 7 reactor seal. Flow visible? (Yes/No)	Y		
No. 7 Gyrol cooler. Flow visible?	(Yes/No)	Y		
-408Water scrubber flow rate. Flow rate of water through T-408 in jet room	Record flowrate. Should be > 50 gpm	125		
Eyewash- Niko Tank	Proper flow, temperature & alarm	N/A		
No. 8 Init. Jet decanter	Drained? (Yes/No)	N		
Purge water under #8 press	Is it ON? (should be OFF if using funda)			
Eyewash by safety room	Proper flow, temperature & alarm	N/A		
Dust collector bag level (%)	Record level. Should be < 75% (empty as needed)	N/A		
Busch Pump Oil tank	Dike free of spills? No evidence of any leaks? (Yes/No)	Y		
No. 2 Plant Warehouse Product and Raw material Drums and Bags in.	Warehouse is free of leaking drums and spilled / torn bags? (Yes/No)	Y		
#8 Reactor jet decanter level	Report Level Drained (Yes/No)	N		
Vazo Room- Floor is clear of pallets and plastic or other debris.	(Yes/No) If NO (Please clean up)	Y		
All 5-gal pails in process area correctly labeled	(Yes/No) (If NO, please label)	N/A		
Britesorb Roll Off boxes	Cover closed? (Yes/No)	N		
[redacted]	Sufficient water level in box? (Yes/No)	Y		
[redacted]	Area spill free? (Yes/No)	Y		
[redacted]	Box needs emptying? (Yes/No)	N		
[redacted]	If < 2 boxes need emptying, report to foreman. (Save waste $$)	N/A		
[redacted]	Labeled with dated non-hazardous waste label? (Yes/No)	Y		
[redacted]	PH value? (Monday and Thursday only)	N/A		

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	Item	Check	Days	Nights	Comments
		Free of leaks or evidence of leaking? (Yes/No)	Y		
	#7 and #8 base charging drain tote	Level of tote/ Emptied? (Yes/No)	—		
	No. 8 Rx. Rupture disc pressure	Record pressure. Should be 0 psig.	0		
	No. 8 Rx seal oil	Record level in sight glass. Should be visible	3/3		
	No. 8 Rx seal nitrogen	Record pressure. Should be > 100 psig.	100		
	No. 8 Init. seal oil	Record level in sight glass. Should be visible	3/3		
	No. 8 Init. seal nitrogen	Record pressure. Should be > 110 psig.	118		
	Water flow to:(Flow indicated in sight glass)	No. 8 Init. Seals. Visible flow? (Yes/No)	Y		
		No. 8 Rect. Seals (outlet pipe west side rx)Flow visible? (Yes/No)	Y		
		No. 8 Gyrol cooler. Flow visible? (Yes/No)	Y		
	Thermal Ox. – Air Monitoring Yokagawa Strip Chart in Control Rm.	Does it have paper? (Yes/No)	Y		
		Record status. Power on? (Yes/No)	Y		
		Is Paper Jammed? (Yes/No)	N		
		Is Start Button Green? (Yes/No)	Y		
		Results Legible and Clear? (Yes/No)	Y		
		If Problem, was Maintenance Notified? (Yes/No)	N/A		
	Small Britesorb dump box.	Empty? (Yes/No)	Y		
		Free of leaks or evidence of leaking? (Yes/No)	Y		
		If box is under funda, Is the lid down? (Yes/No)	—		
		Area is clean and clear of ANY spilled material? (Yes/No)	Y		
		Filter cake Under No.8 & 9 Funda & No. 8 Sparkler? (Yes/No)	N		
	All 5 gallon pails in process area correctly labeled	(Yes/No) (If NO, please label)	N/A		
	#9 Initiator base charging tote	Level of tote/ Emptied (Yes/No)	2/3		
	No. 9 Init. jet decanter	Drained? (Yes/No)	N		
	No. 9 Rx jet decanter	Drained and Purged EACH Shift? (Yes/No)	N		
	No. 9 Init. Agitator Seal	Record Level in sight glass. Should be visible.	2/3		
1	Eyewash Busch building	Proper flow & temperature & alarm? (Yes/No)	—	N/A	
2	Busch rupture disc pres.	Should be 0 psig. Enter MJ if disc has failed.	0	N/A	
3	#10 Rx rupture disc pres.	Should be 0 psig. Enter MJ if disc has failed.	0	N/A	
4	#10 Rx Agitator Seal Pres.	Record pressure. Should be 15 psig	16		

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	Item	Check	Days	Nights	Comments
5	#10 Rx Agitator Seal Level	Should be visible (Yes/No)	Y		
6	N2 Rotometer downstream side of Christmas tree #10 RX Vent	N2 flow through vent header (YES/NO) Normally reads ~6-8.	Y		
7	Eyewash - Deck by VB tank	Proper flow? (Yes/No)	—		
8	9 Hold agitator	Seal level (1/4,1/2, Full)	—		
9	Eyewash by sulfuric acid tank	Proper, flow, temperature & alarm (Yes/No)	—		
10	Eyewash by #9 Init. Charging	Proper flow & temperature & alarm (Yes/No)	—		
11	#9 Trench valve	Should be CLOSED (Yes/No)	Y		
12	#10 Trench valve	Should be CLOSED (Yes/No)	Y		
13	No 9 Hold Tank pump seal pot pressure	Record pressure. Should be between 200-230 psig	—		SeAL BLOW
14	9 Hold pump	Record Seal pot level (1/2,1/4,etc.)	—		
15	9 Flash pump	Record Seal pot level (1/2,1/4,etc.)	3/4		
16	No 9 flash tank pump seal pot pressure	Record pressure. Should be between 200-230 psig	195		
17	Eyewash by graft pumpout header	Proper flow & temperature & alarm? (Yes/No)	—		
18	Eyewash by truck load	Proper flow & temperature & alarm? (Yes/No)	—		
19	Eyewash by TK-526	Proper flow & temperature & alarm? (Yes/No)	—		
20	Outlet Temp. on Busch Pumps (Check on Midnights) *SEE NOTE*	Record temp. Should be 100-160°F	A	B	C D E F
21	Busch pump A in Busch room	Any indication of liquid dripping from seal? (Yes/No)	N		
22	Busch pump B in Busch room	Any indication of liquid dripping from seal? (Yes/No)	N		
23	Busch pump C in Busch room	Any indication of liquid dripping from seal? (Yes/No)	N		
24	Busch pump F in Busch room	Any indication of liquid dripping from seal? (Yes/No)	N		
25	Busch pump E in Busch room	Any indication of liquid dripping from seal? (Yes/No)	N		
26	Busch pump D in Busch room	Any indication of liquid dripping from seal? (Yes/No)	N		
27	P-510A monomer mix tank pump	Any indication of liquid dripping from seal? (Yes/No)	N		
28	P-510 mixed monomer tank pump	Any indication of liquid dripping from seal? (Yes/No)	N		
29	P-525	Any indication of liquid dripping from seal? (Yes/No)	N		
30	P-529	Any indication of liquid dripping from seal? (Yes/No)	N		
31	P-528 CGR Pump	Any indication of liquid dripping from seal? (Yes/No)	N		
32	P-413C recycled monomer pump	Any indication of liquid dripping from seal? (Yes/No)	N		

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	Item	Check	Days	Nights	Comments
33	Recycle TK413C for ½ hour each shift in automatic unless producing P-1528 and or P-1365.	Verify flow and temp of pump. Ok? (Yes/No)	Y		

***If #10RX and PCGR are down leave one busch pump running and shut down the remaining pumps. Rotate that pump to a different pump every four hours.**

REVISIONS

1. Update title and number of document. Deniz Hinz 6/18/08
2. Add Monomer pumps to the inspection sheet for graft Joel Young 6/18/09
3. Added language for consistency, eliminated blanks, removed references to #7/#8/#10 Operator, general cleanup to 8 pages from 11 DHE 10/23/09

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Item	Check	Days	Nights	Comments
Emergency radio set on SCAN mode	Record status. Should be set on SCAN mode to monitor the Emergency Channel		OK	
Emergency radio volume	Record status. Volume should be turned "on"		ON	
Confirm that the radios of the Shift Leader and Tank Farm Area Leader are in the SCAN mode.	Record status. Should be set on SCAN mode to monitor the Emergency Channel.		OK	
Control Room pressure	Record pressure. Should be > 0.1"		.07	
Air moisture analyser	Record moisture content. Should be < -90, i.e. -95, -100, etc		-98	
Steam pressure	Record pressure. Should be > 105 psig. & stable		108	
Battery backup for temp. Indicator	Record voltage. Should be 24-30 volts		2457	
General Monitors #2 Plant	Record status. No alarms/no malfunctions		NONE	
Instrument air pressure	Record pressure. Should be > 90 psig. & stable		103	
River water pressure	Record pressure. Should be > 65 psig. & stable		78	
Busch Glycol Storage level	Record level. Should be > 50%		61	
Busch Glycol Storage Temp.	Record temp. Should be > 140 °F		134	
TK526 Temp (Mercaptan)	Record temp. Should be 50-150°F.		70	
EO Transfer Pump	Using P-101B2? (Yes/No) If no report to coordinator		Y	
PO Transfer Pump	Using P-101C2? (Yes/No) If no report to coordinator		Y	
Battery backup	Ready light on? (Yes/No)		Y	
Survive Air packs (Control Room)	Two cleaned and available? (Yes/No)		N/A	
Eyewash pressure	Record pressure. Should be > 60 psig.		64	
TMP recycle	Flowing? (Yes/No)		Y	
No 7 jet decanter waste (Satellite)	Drained and spill free? (Yes/No)	NO/Yes	N/Y	
[redacted]	Labeled as Jet Decanter Waste? (Yes/No)	Yes	Y	
[redacted]	Full & Dated? (Yes/No)	no	N	
[redacted]	Grounded? (Yes/No)	Yes	Y	
Sulfuric Acid Dike	Is the Dike Empty? (Yes/No)	Yes	Y	
[redacted]	If Not, Did You Empty? (Yes/No)	—	N	
[redacted]	What Time was Dike Emptied?	—	N/A	

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Item	Check	Days	Nights	Comments
[redacted]	If Yes, What is the pH?	—	N/A	
[redacted]	If Yes, What is the Color?	—	N/A	
[redacted]	# of Phases in Standing Water Sample? (1/2/NA)	—	N/A	
Eyewash pad by No. 7 RX	Proper flow, temperature & alarm? (Yes/No)		N/A	
#7 & #8 Trench valve	CLOSED? (Yes/No)		N	
Dust/Vapor collector drain drum by #7 RX. Emptied? (Yes/No)	Drum level (1/4, ½. Etc.)	N/A	MT	
All 5-gallon pails in process area correctly labeled?	Yes or No? (If NO, please label)	N/A	Y	
Hazardous Waste **Accumulation Area #6**	Drum Level (1/4, 1/2, etc)	7/8	1/8	
[redacted]	Drained? (Yes/No)	Yes	Y	
[redacted]	Area spill free? (Yes/No)	Yes	Y	
[redacted]	Labeled as monomer waste? (Yes/No)	Yes	Y	
[redacted]	Record the date on the label of drum:	Date 11/28	Date 12-22	
[redacted]	Is the date on the label <45 days: (Yes/No)	Yes	Y	
[redacted]	Does Drum need to be changed out? (Yes/No)	Yes	N	
[redacted]	Free of leaks or evidence of leaking? (Yes/No)	Yes	Y	
[redacted]	Free of dents, dings, bulging, creasing, etc? (Yes/No)	Yes	Y	
[redacted]	Grounded? (Yes/No)	Yes	Y	
[redacted]	Manual Vent Valve Closed? (YES/NO)	Yes	Y	
A-405B 7Reactor	Any indication of liquids dripping from seal? (Yes/No)		N	
A-405C 8Reactor	Any indication of liquids dripping from seal? (Yes/No)		N	
A-408C 8Initiator	Any indication of liquids dripping from seal? (Yes/No)		N	
A-530 9Initiator	Any indication of liquids dripping from seal? (Yes/No)		N	
A-405D 9Reactor	Any indication of liquids dripping from seal? (Yes/No)		N	
VP-151 vacuum pump near D-151B in jet room	Any indication of liquids dripping from seal? (Yes/No)		N	
P-151A north of D-151B in jet room	Any indication of liquids dripping from seal? (Yes/No)		N	
P-405 bottom of TK-405D 9Reactor east of knock-out pot	Any indication of liquids dripping from seal? (Yes/No)		N	

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Item	Check	Days	Nights	Comments
VP-150 vacuum pump near D-150B in jet room	Any indication of liquids dripping from seal? (Yes/No)		N	
P-150A west of D-150B in jet room	Any indication of liquids dripping from seal? (Yes/No)		N	
VP-530D vacuum pump near S-530DB in jet room	Any indication of liquids dripping from seal? (Yes/No)		N	
P-530DB south of S-530DB in jet room	Any indication of liquids dripping from seal? (Yes/No)		N	
VP-405D vacuum pump near S-405D in jet room	Any indication of liquids dripping from seal? (Yes/No)		N	
P-405D south of S-405D in jet room	Any indication of liquids dripping from seal? (Yes/No)		N	
P-151 west of TK-151 9Reactor vacuum condensate collection tank at ground level	Any indication of liquids dripping from seal? (Yes/No)		N	
P-153B west of TK-403D scrubber recirculation tank	Any indication of liquids dripping from seal? (Yes/No)		N	
P-153A west of TK-403D scrubber recirculation tank	Any indication of liquids dripping from seal? (Yes/No)		N	
Hazardous Waste **Accumulation Area #7**	Drum Level (1/4, 1/2, etc)	1/2	1/2	
	Drained? (Yes/No)	Y	Y	
	Area spill free? (Yes/No)	Y	Y	
	Labeled as monomer waste? (Yes/No)	Y	Y	
	Record the date on the label of drum:	Date 11/15	Date 11-15	
	Is the date on the label <45 days? (Yes/No)	Y	Y	
	Does Drum need to be changed out? (Yes/No)	NO	N	
	Free of leaks or evidence of leaking? (Yes/No)	YES	Y	
	Free of dents, dings, bulging, creasing, etc? (Yes/No)	YES	Y	
	Grounded? (Yes/No)	YES	Y	
	Manual Vent Valve Closed? (YES/NO)	YES	Y	
Hazardous Waste **Accumulation Area #8**	Drum Level (1/4, 1/2, etc)	1/2	1/2	
	Drained? (Yes/No)	Y	Y	
	Area spill free? (Yes/No)	Y	Y	
	Labeled as monomer waste? (Yes/No)	Y	Y	
	Record the date on the label of drum:	Date 12/5	Date 12-5	
	Is the date on the label <45 days? (Yes/No)	Y	Y	

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Date: 12/22/10 Days Operator: _____ Supervisor: _____

Nights Operator: ST Supervisor: Si

Item	Check	Days	Nights	Comments
	Does Drum need to be changed out? (Yes/No)	N	N	
	Free of leaks or evidence of leaking? (Yes/No)	Y	Y	
	Free of dents, dings, bulging, creasing, etc? (Yes/No)	Y	Y	
	Grounded? (Yes/No)	Y	Y	
	Manual Vent Valve Closed? (YES/NO)	Y	Y	
Hazardous Waste **Accumulation Area #9**	Drum Level (1/4, 1/2, etc)	3/4	3/4	
	Drained? (Yes/No)	Y	Y	
	Area spill free? (Yes/No)	Y	Y	
	Labeled as monomer waste? (Yes/No)	Y	Y	
	Record the date on the label of drum:	Date 12-6	Date 12-6	
	Is the date on the label <45 days: (Yes/No)	Y	Y	
	Does Drum need to be changed out? (Yes/No)	N	N	
	Free of leaks or evidence of leaking? (Yes/No)	Y	Y	
	Free of dents, dings, bulging, creasing, etc? (Yes/No)	Y	Y	
	Grounded? (Yes/No)	Y	Y	
	Manual Vent Valve Closed? (YES/NO)	Y	Y	
Hazardous Waste **Accumulation Area #4**	Drum Level (1/4, 1/2, etc)	1/4	1/4	CHANGED
	Drained? (Yes/No)	Y	Y	
	Area spill free? (Yes/No)	Y	Y	
	Labeled as monomer waste? (Yes/No)	Y	Y	
	Record the date on the label of drum:	Date 12-23	Date 12-23	
	Is the date on the label <45 days? (Yes/No)	Y	Y	
	Does Drum need to be changed out? (Yes/No)	N	N	
	Free of leaks or evidence of leaking? (Yes/No)	Y	Y	
	Free of dents, dings, bulging, creasing, etc? (Yes/No)	Y	Y	
	Grounded? (Yes/No)	Y	Y	
	Manual Vent Valve Closed? (YES/NO)	Y	Y	
Hazardous Waste **Accumulation Area #5**	Drum Level (1/4, 1/2, etc)	1/8	1/8	
	Drained? (Yes/No)	Y	Y	
	Area spill free? (Yes/No)	Y	Y	

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BASF Corporation	Title:	Daily Operations Inspection Checklist	
Wya Polyol Plant	No.:	WYP0213	Page 5 of 9

NOTE: MANY ITEMS ON THIS CHECKLIST ARE LEGAL REQUIREMENTS. IT IS MANDATORY THAT THIS CHECKLIST IS FILLED OUT COMPLETELY, AND RETURNED TO THE OPERATIONS SUPERVISOR FOR FILING. RECORDS ARE KEPT FOR 5 YEARS.

Date:_____ Days Operator: _____ Supervisor:_____

Nights Operator: ST Supervisor: ST

Item	Check	Days	Nights	Comments
[redacted]	Labeled as monomer waste? (Yes/No)	Y	Y	
	Record the date on the label of drum:	Date 12-6	Date 12-6	
	Is the date on the label <45 days? (Yes/No)	Y	Y	
	Does Drum need to be changed out? (Yes/No)	N	N	
	Free of leaks or evidence of leaking? (Yes/No)	Y	Y	
	Free of dents, dings, bulging, creasing, etc? (Yes/No)	Y	Y	
	Grounded? (Yes/No)	Y	Y	
	Manual Vent Valve Closed? (YES/NO)	Y	Y	
Hazardous Waste Satellite Area #11	Drum Level (1/4, 1/2, etc)	FULL	FULL	CHANGED
[redacted]	Drained? (Yes/No)	Y	Y	
	Area spill free? (Yes/No)	Y	Y	
	Labeled as monomer waste? (Yes/No)	Y	Y	
	Changed and dated if full? (Yes/No)	~~Y~~	~~Y~~	
	Free of leaks or evidence of leaking? (Yes/No)	Y	Y	
	Free of dents, dings, bulging, creasing, etc? (Yes/No)	Y	Y	
	Grounded? (Yes/No)	Y	Y	
	Manual Vent Valve Closed? (YES/NO)	Y	Y	
D702 Knock Out Waste **(P-025) (Would be located near Oxide KO pot at TO this waste is generated in relation with TO trips.)**	Is there one located near D702 Knock Pot? YES or NO	N	N	
	Does drum contain material? YES or NO	N/A	N/A	
	Labeled as P-025 Waste YES or NO?	N/A	N/A	
	Drum disconnected from D702? YES or NO	N/A	N/A	
	Drum Free of leaks and damage? YES or NO	N/A	N/A	
	Drum dated as full? YES or NO	N/A	N/A	
Containment Tote for Busch Pump Room Floor Drain	Tote empty? (Yes/No)	N	N	
[redacted]	If not empty, determine what is inside. If just water from washing Busch pump room, then can empty into trench. If ethylene glycol, used oil, or unknown / unsure, contact Operations Engineer.	HO	H_2O	
	Area spill free? (Yes/No)	Y	Y	

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BASF Corporation	Title:	Daily Operations Inspection Checklist	
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Date: 12/22/10 Days Operator: _____ Supervisor: _____

Nights Operator: ST Supervisor: St

Item	Check	Days	Nights	Comments
[redacted]	Labeled as wastewater? (Yes/No)		Y	
[redacted]	Free of leaks or evidence of leaking? (Yes/No)		Y	
[redacted]	Free of dents, dings, bulging, creasing, etc? (Yes/No)		Y	
Satellite Area Supplies	One pallet of new drums available? (Yes/No)	N/A	Y	
Ionol supply adequate?	(Yes/No)		Y	
No. 7 Rx. Oil seal	Record level in sight glass		7/8	
No. 7 Rx. Nitrogen seal	Record pressure. Should be > 100 psig.		105	
Water flow to: (Flow indicated in sight glass)	No. 7 reactor seal. Flow visible? (Yes/No)		Y	
No. 7 Gyrol cooler. Flow visible?	(Yes/No)		Y	
-408Water scrubber flow rate. Flow rate of water through T-408 in jet room	Record flowrate. Should be > 50 gpm		135	
Eyewash- Niko Tank	Proper flow, temperature & alarm	N/A	—	
No. 8 Init. Jet decanter	Drained? (Yes/No)		N	
Purge water under #8 press	Is it ON? (should be OFF if using funda)		OFF	
Eyewash by safety room	Proper flow, temperature & alarm	N/A	—	
Dust collector bag level (%)	Record level. Should be < 75% (empty as needed)	N/A	int	
Busch Pump Oil tank	Dike free of spills? No evidence of any leaks? (Yes/No)		Y	
No. 2 Plant Warehouse Product and Raw material Drums and Bags in.	Warehouse is free of leaking drums and spilled / torn bags? (Yes/No)		Y	
#8 Reactor jet decanter level	Report Level Drained (Yes/No)		N	
Vazo Room- Floor is clear of pallets and plastic or other debris.	(Yes/No) If NO (Please clean up)		Y	
All 5-gal pails in process area correctly labeled	(Yes/No) (If NO, please label)	N/A	Y	
Britesorb Roll Off boxes	Cover closed? (Yes/No)		N	
[redacted]	Sufficient water level in box? (Yes/No)		Y	
[redacted]	Area spill free? (Yes/No)		Y	
[redacted]	Box needs emptying? (Yes/No)		N	
[redacted]	If < 2 boxes need emptying, report to foreman. (Save waste $$)		N/A	
[redacted]	Labeled with dated non-hazardous waste label? (Yes/No)		Y	
[redacted]	PH value? (Monday and Thursday only)	N/A	N/A	

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Date: 12/22/10 Days Operator: _____ Supervisor: _____

Nights Operator: ST Supervisor: ST

Item	Check	Days	Nights	Comments
[redacted]	Free of leaks or evidence of leaking? (Yes/No)		Y	
#7 and #8 base charging drain tote	Level of tote/ Emptied? (Yes/No)		FULL	H2O
No. 8 Rx. Rupture disc pressure	Record pressure. Should be 0 psig.		0	
No. 8 Rx seal oil	Record level in sight glass. Should be visible		7/8	
No. 8 Rx seal nitrogen	Record pressure. Should be > 100 psig.		100	
No. 8 Init. seal oil	Record level in sight glass. Should be visible		1/2	
No. 8 Init. seal nitrogen	Record pressure. Should be > 110 psig.		118	
Water flow to:(Flow indicated in sight glass)	No. 8 Init. Seals. Visible flow? (Yes/No)		Y	
[redacted]	No. 8 Rect. Seals (outlet pipe west side rx)Flow visible? (Yes/No)		Y	
[redacted]	No. 8 Gyrol cooler. Flow visible? (Yes/No)		Y	
[redacted]				
Thermal Ox. – Air Monitoring Yokagawa Strip Chart in Control Rm.	Does it have paper? (Yes/No)		Y	
[redacted]	Record status. Power on? (Yes/No)		Y	
[redacted]	Is Paper Jammed? (Yes/No)		N	
[redacted]	Is Start Button Green? (Yes/No)		Y	
[redacted]	Results Legible and Clear? (Yes/No)		Y	
[redacted]	If Problem, was Maintenance Notified? (Yes/No)		N/A	
Small Britesorb dump box.	Empty? (Yes/No)		Y	
[redacted]	Free of leaks or evidence of leaking? (Yes/No)		Y	
[redacted]	If box is under funda, Is the lid down? (Yes/No)			
[redacted]	Area is clean and clear of ANY spilled material? (Yes/No)		Y	
[redacted]	Filter cake Under No.8 & 9 Funda & No. 8 Sparkler? (Yes/No)		N	
All 5 gallon pails in process area correctly labeled	(Yes/No) (If NO, please label)	N/A	Y	
#9 Initiator base charging tote	Level of tote/ Emptied (Yes/No)		3/4	
No. 9 Init. jet decanter	Drained? (Yes/No)		N	
No. 9 Rx jet decanter	Drained and Purged EACH Shift? (Yes/No)		N	
No. 9 Init. Agitator Seal	Record Level in sight glass. Should be visible.		2/3	
1 Eyewash Busch building	Proper flow & temperature & alarm? (Yes/No)		N/A	
2 Busch rupture disc pres.	Should be 0 psig. Enter MJ if disc has failed.		N/A	
3 #10 Rx rupture disc pres.	Should be 0 psig. Enter MJ if disc has failed.		N/A	
4 #10 Rx Agitator Seal Pres.	Record pressure. Should be 15 psig		16	

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BASF Corporation	Title:	Daily Operations Inspection Checklist	
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Date: 12/22/10 Days Operator: _____ Supervisor: _____

Nights Operator: ST Supervisor: ST

	Item	Check	Days	Nights	Comments
5	#10 Rx Agitator Seal Level	Should be visible (Yes/No)		2/3	
6	N2 Rotometer downstream side of Christmas tree #10 RX Vent	N2 flow through vent header (YES/NO) Normally reads ~6-8.		Y	
7	Eyewash - Deck by VB tank	Proper flow? (Yes/No)		—	
8	9 Hold agitator	Seal level (1/4,1/2, Full)		—	
9	Eyewash by sulfuric acid tank	Proper, flow, temperature & alarm (Yes/No)		—	
10	Eyewash by #9 Init. Charging	Proper flow & temperature & alarm (Yes/No)		—	
11	#9 Trench valve	Should be CLOSED (Yes/No)		Y	
12	#10 Trench valve	Should be CLOSED (Yes/No)		Y	
13	No 9 Hold Tank pump seal pot pressure	Record pressure. Should be between 200-230 psig		225	
14	9 Hold pump	Record Seal pot level (1/2,1/4,etc.)		1/8	
15	9 Flash pump	Record Seal pot level (1/2,1/4,etc.)		3/4	
16	No 9 flash tank pump seal pot pressure	Record pressure. Should be between 200-230 psig		195	
17	Eyewash by graft pumpout header	Proper flow & temperature & alarm? (Yes/No)		—	
18	Eyewash by truck load	Proper flow & temperature & alarm? (Yes/No)		—	
19	Eyewash by TK-526	Proper flow & temperature & alarm? (Yes/No)		—	
20	Outlet Temp. on Busch Pumps (Check on Midnights) *SEE NOTE*	Record temp. Should be 100-160°F	A	B / C	D / E / F
21	Busch pump A in Busch room	Any indication of liquid dripping from seal? (Yes/No)		N	
22	Busch pump B in Busch room	Any indication of liquid dripping from seal? (Yes/No)		N	
23	Busch pump C in Busch room	Any indication of liquid dripping from seal? (Yes/No)		N	
24	Busch pump F in Busch room	Any indication of liquid dripping from seal? (Yes/No)		N	
25	Busch pump E in Busch room	Any indication of liquid dripping from seal? (Yes/No)		N	
26	Busch pump D in Busch room	Any indication of liquid dripping from seal? (Yes/No)		N	
27	P-510A monomer mix tank pump	Any indication of liquid dripping from seal? (Yes/No)		N	
28	P-510 mixed monomer tank pump	Any indication of liquid dripping from seal? (Yes/No)		N	
29	P-525	Any indication of liquid dripping from seal? (Yes/No)		N	
30	P-529	Any indication of liquid dripping from seal? (Yes/No)		N	
31	P-528 CGR Pump	Any indication of liquid dripping from seal? (Yes/No)		N	
32	P-413C recycled monomer pump	Any indication of liquid dripping from seal? (Yes/No)		N	

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Date: 12/22/10 Days Operator: _____ Supervisor: _____

Nights Operator: ST Supervisor: ST

	Item	Check	Days	Nights	Comments
33	Recycle TK413C for ½ hour each shift in automatic unless producing P-1528 and or P-1365.	Verify flow and temp of pump. Ok? (Yes/No)		Yes	

***If #10RX and PCGR are down leave one busch pump running and shut down the remaining pumps. Rotate that pump to a different pump every four hours.**

REVISIONS

1. Update title and number of document. Deniz Hinz 6/18/08
2. Add Monomer pumps to the inspection sheet for graft Joel Young 6/18/09
3. Added language for consistency, eliminated blanks, removed references to #7/#8/#10 Operator, general cleanup to 8 pages from 11 DHE 10/23/09

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File Name: WYP0213 DAILY OPERATIONS INSPECTION SHEET: Owner Name: Brvan. Jeff

BASF Corporation	Title:	Hazardous Waste Satellite Storage Log		
Wya Polyol Plant	No.:	WYP0222	Page:	1 of 4

WASTE SATELLITE STORAGE AREA - INSPECTION/TRANSFER LOG

RETURN COMPLETED LOG TO SUPERVISOR TO BE FILED IN THE POLYOL DOCUMENT CENTER

SITE WASTE WARHOUSE HOURS MONDAY/WEDNESDAY 1-2PM, FRIDAY 10-11 AM

DATE: 12-20-10 TIME: 1030 INSPECTED BY (PRINT FULL NAME): [illegible]

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2	#7 Jet Decanter Waste (W-035)	Y	Y	Y	Y	1/3	Y	Y	[illegible]	[illegible]
1	Neutralized MDI Waste (W-067)	Y	Y	Y	Y	F	N	Y	Y	1
11	Monomer Waste (W-010)	[illegible]	[illegible]	[illegible]	[illegible]	3/4	Y	Y	[illegible]	[illegible]
	D702 Knock Out Waste (P-025) (Would be located near Oxide KO pot at TO this waste is generated in relation with TO trips.)	[illegible]	NA	NA	NA	NA	NA	NA	[illegible]	NA
12	Neutralized TDI Waste (W-068)	Y	Y	Y	Y	1/2	Y	[illegible]		[illegible]
13	Sugar/Pent/Polyol (A-645)	Y	Y	Y	Y	1/2	[illegible]	Y	[illegible]	[illegible]
15	Waste Toluene Filters (#3BB for carbon beds) (W-799)	Y	Y	Y	Y	1/3	N	Y	[illegible]	[illegible]
	Used Oil (A-603-08) Flammable Shed Maintence Pad	Y	Y	Y	Y	1/2	[illegible]	Y	N	[illegible]
	Polyol QA Waste (W-760) (Will be inside of retain room)	Y	Y	Y	Y	1/4	Y	Y	N	[illegible]
	Crushed Glass (A-616) (Will be inside of retain room)	Y	Y	Y	Y	3/4	N	Y	N	[illegible]

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Printed: Mon Dec 20 10:24:25 EST 2010; Expires: Tue Dec 21 10:24:25 EST 2010
File Name: WYP0222 HAZARDOUS WASTE SATELLITE STORAGE LOG, Owner Name: Bryan, Jeff

HAZARDOUS WASTE < 90 DAY ACCUMULATIONS STORAGE AREA - INSPECTION/TRANSFER LOG
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	Waste Aerosols (W-904) In Maintence Shop	Y	Y	Y	Y	3/4	N	Y	N	—

WASTE TRANSFERS / COMMENTS (PLEASE LOG ALL TRANSFERS WITH INDIVIDUAL CONTAINER WEIGHTS IN POUNDS

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BASF Corporation	Title:	Hazardous Waste Satellite Storage Log		
Wya Polyol Plant	No.:	WYP0222	Page:	3 of 4

HAZARDOUS WASTE < 90 DAY ACCUMULATIONS STORAGE AREA - INSPECTION/TRANSFER LOG
RETURN COMPLETED LOG TO SUPERVISOR TO BE FILED IN THE POLYOL DOCUMENT CENTER
SITE WASTE WARHOUSE HOURS MONDAY/WEDNESDAY 1-2PM, FRIDAY 10-11 AM

DATE: 12-20-10 TIME: 1030 INSPECTED BY (PRINT FULL NAME): [illegible]

[illegible]	[illegible]	RECORD THE DATE OFF THE LABEL, IS IT <45 DAYS OLD?	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4	Monomer Waste (W-010)	Date: [illegible]	✓	✓	3/4	✓	✓	✓	✓
5	Monomer Waste (W-010)	Date: [illegible]	✓	✓	3/4	✓	✓	✓	✓
6	Monomer Waste (W-010)	Date: [illegible]	✓	✓	3/4	✓	✓	✓	✓
7	Monomer Waste (W-010)	Date: [illegible]	✓	✓	3/4	✓	✓		✓
8	Monomer Waste (W-010)	Date: [illegible]	✓	✓	3/4	✓	✓	✓	✓
9	Monomer Waste (W-010)	Date: [illegible]	✓	✓	3/4	✓	✓		✓

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Wya Polyol Plant	No.:	WYP0222	Page:	3 of 4

HAZARDOUS WASTE < 90 DAY ACCUMULATIONS STORAGE AREA - INSPECTION/TRANSFER LOG
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SITE WASTE WARHOUSE HOURS MONDAY/WEDNESDAY 1-2PM, FRIDAY 10-11 AM

DATE: 12-20-10 TIME: 10:35 INSPECTED BY (PRINT FULL NAME): Juan Alvarez

[illegible]	[illegible]	START DATE ON LABEL IS <11 MONTHS	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1	Waste Batteries (U-800) Supervisor's Office (Dispose of >11 months)	7-21-10	Y	Y	Y	Y	1/2	Y	N	~~D~~
2	Waste Batteries (U-800) Maintenance Shop (Dispose of >11 months)	7-1-10	Y	Y	Y	Y	1/2	Y	N	~~D~~

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BASF Corporation	Title:	Hazardous Waste Satellite Storage Log		
Wya Polyol Plant	No.:	WYP0222	Page:	1 of 4

WASTE SATELLITE STORAGE AREA - INSPECTION/TRANSFER LOG

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SITE WASTE WARHOUSE HOURS MONDAY/WEDNESDAY 1-2PM, FRIDAY 10-11 AM

DATE: 12-15-10 TIME: 1100 INSPECTED BY (PRINT FULL NAME): Kevin L Keith

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2	#7 Jet Decanter Waste (W-035)	OK	Y	Y	Y	OK	OK	OK	N	O
1	Neutralized MDI Waste (W-067)	OK	Y	Y	Y	OK	OK	OK	N	O
11	Monomer Waste (W-010)	OK	Y	Y	Y	OK	OK	OK	N	O
	D702 Knock Out Waste (P-025) **(Would be located near Oxide KO pot at TO this waste is generated in relation with TO trips.)**	OK	Y	Y	Y	OK	OK	OK	N	O
12	Neutralized TDI Waste (W-068)	OK	Y	Y	Y	OK	OK	OK	N	O
13	Sugar/Pent/Polyol (A-645)	OK	Y	Y	Y	OK	OK	OK	N	O
15	Waste Toluene Filters (#3BB for carbon beds) (W-799)	OK	Y	Y	Y	OK	OK	OK	N	O
	Used Oil (A-603-08) Flammable Shed Maintence Pad	OK	Y	Y	Y	OK	OK	OK	N	O
	Polyol QA Waste (W-760) (Will be inside of retain room)	OK	Y	Y	Y	OK	OK	OK	N	O
	Crushed Glass (A-616) (Will be inside of retain room)	OK	Y	Y	Y	OK	OK	OK	N	O

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HAZARDOUS WASTE < 90 DAY ACCUMULATIONS STORAGE AREA - INSPECTION/TRANSFER LOG
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[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	Waste Aerosols **(W-904)** In Maintence Shop	Y	Y	Y	Y	OK	OK	Y	✓	✓

WASTE TRANSFERS / COMMENTS (PLEASE LOG ALL TRANSFERS WITH INDIVIDUAL CONTAINER WEIGHTS IN POUNDS

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BASF Corporation	Title:	Hazardous Waste Satellite Storage Log		
Wya Polyol Plant	No.:	WYP0222	Page:	3 of 4

HAZARDOUS WASTE < 90 DAY ACCUMULATIONS STORAGE AREA - INSPECTION/TRANSFER LOG
RETURN COMPLETED LOG TO SUPERVISOR TO BE FILED IN THE POLYOL DOCUMENT CENTER
SITE WASTE WARHOUSE HOURS MONDAY/WEDNESDAY 1-2PM, FRIDAY 10-11 AM

DATE: 12-15-10 TIME: 1100 INSPECTED BY (PRINT FULL NAME): K. Keith

[illegible]	[illegible]	RECORD THE DATE OFF THE LABEL, IS IT <45 DAYS OLD?	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4	Monomer Waste (W-010)	Date:	Y	Y	ok	ok	Y	N	D
5	Monomer Waste (W-010)	Date:	Y	Y	ok	ok	Y	N	D
6	Monomer Waste (W-010)	Date:	Y	Y	ok	ok	Y	N	D
7	Monomer Waste (W-010)	Date:	Y	Y	ok	ok	Y	N	D
8	Monomer Waste (W-010)	Date:	Y	Y	ok	ok	Y	N	D
9	Monomer Waste (W-010)	Date:	Y	Y	ok	ok	Y	N	D

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BASF Corporation	Title:	Hazardous Waste Satellite Storage Log		
Wya Polyol Plant	No.:	WYP0222	Page:	3 of 4

HAZARDOUS WASTE < 90 DAY ACCUMULATIONS STORAGE AREA - INSPECTION/TRANSFER LOG
RETURN COMPLETED LOG TO SUPERVISOR TO BE FILED IN THE POLYOL DOCUMENT CENTER
SITE WASTE WARHOUSE HOURS MONDAY/WEDNESDAY 1-2PM, FRIDAY 10-11 AM

DATE:_____ TIME:_____ INSPECTED BY (PRINT FULL NAME):_____

[illegible]	[illegible]	**START DATE ON LABEL IS <11 MONTHS**	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1	Waste Batteries (U-800) Supervisor's Office **(Dispose of >11 months)**									
2	Waste Batteries (U-800) Maintenance Shop **(Dispose of >11 months)**									

WASTE TRANSFERS / COMMENTS (PLEASE LOG ALL TRANSFERS WITH INDIVIDUAL CONTAINER WEIGHTS IN POUNDS)

_____

_____

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Printed: Wed Dec 15 06:52:43 EST 2010; Expires: Thu Dec 16 06:52:43 EST 2010
File Name: WYP0222 HAZARDOUS WASTE SATELLITE STORAGE LOG; Owner Name: Bryan, Jeff

BASF Corporation	Title:	Daily Operations Inspection Checklist	
Wya Polyol Plant	No.:	WYP0213	Page 1 of 9

NOTE: MANY ITEMS ON THIS CHECKLIST ARE LEGAL REQUIREMENTS. IT IS MANDATORY THAT THIS CHECKLIST IS FILLED OUT COMPLETELY, AND RETURNED TO THE OPERATIONS SUPERVISOR FOR FILING. RECORDS ARE KEPT FOR 5 YEARS.

Date: 12-8-10 Days Operator: MIKE G Supervisor: J.A.F

Nights Operator: [illegible] Supervisor: LO

Item	Check	Days	Nights	Comments
Emergency radio set on SCAN mode	Record status. Should be set on SCAN mode to monitor the Emergency Channel	OK	OK	
Emergency radio volume	Record status. Volume should be turned "on"	OK	OK	
Confirm that the radios of the Shift Leader and Tank Farm Area Leader are in the SCAN mode.	Record status. Should be set on SCAN mode to monitor the Emergency Channel.	OK	OK	
Control Room pressure	Record pressure. Should be > 0.1"	.07	.07	
Air moisture analyser	Record moisture content. Should be < -90, i.e. -95, -100, etc	~~111.3~~ 102	-101	
Steam pressure	Record pressure. Should be > 105 psig. & stable	111.3	114	
Battery backup for temp. Indicator	Record voltage. Should be 24-30 volts	25.46	25.4	
General Monitors-#2 Plant	Record status. No alarms/no malfunctions	NONE	NO/YES	immediction
Instrument air pressure	Record pressure. Should be > 90 psig. & stable	101.6	101	
River water pressure	Record pressure. Should be > 65 psig. & stable	74.7	76	
Busch Glycol Storage level	Record level. Should be > 50%	61	61	
Busch Glycol Storage Temp.	Record temp. Should be > 140 °F	145	145	
TK526 Temp (Mercaptan)	Record temp. Should be 50-150°F.	76.3	76	
EO Transfer Pump	Using P-101B2? (Yes/No) If no report to coordinator	YES	YES	
PO Transfer Pump	Using P-101C2? (Yes/No) If no report to coordinator	YES	YES	
Battery backup	Ready light on? (Yes/No)	ON	ON	
Survive Air packs (Control Room)	Two cleaned and available? (Yes/No)	YES	N/A	
Eyewash pressure	Record pressure. Should be > 60 psig.	65	65	
TMP recycle	Flowing? (Yes/No)	YES	YES	
No 7 jet decanter waste **(Satellite)**	Drained and spill free? (Yes/No)	NO-YES	NO/YES	
[redacted]	Labeled as Jet Decanter Waste? (Yes/No)	YES	YES	
[redacted]	Full & Dated? (Yes/No)	NO	NO	
[redacted]	Grounded? (Yes/No)	YES	YES	
Sulfuric Acid Dike	Is the Dike Empty? (Yes/No)	NO	NO	
[redacted]	If Not, Did You Empty? (Yes/No)	N/A	NA	
[redacted]	What Time was Dike Emptied?	N/A	NA	

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BASF Corporation	Title:	Daily Operations Inspection Checklist	
Wya Polyol Plant	No.:	WYP0213	Page 2 of 9

NOTE: MANY ITEMS ON THIS CHECKLIST ARE LEGAL REQUIREMENTS. IT IS MANDATORY THAT THIS CHECKLIST IS FILLED OUT COMPLETELY, AND RETURNED TO THE OPERATIONS SUPERVISOR FOR FILING. RECORDS ARE KEPT FOR 5 YEARS.

Date: 12-8-10 Days Operator: _____ Supervisor: _____

Nights Operator: [illegible] Supervisor: LO

Item	Check	Days	Nights	Comments
[redacted]	If Yes, What is the pH?	N	NA	
[redacted]	If Yes, What is the Color?		NA	
[redacted]	# of Phases in Standing Water Sample? (1/2/NA)		NA	
Eyewash pad by No. 7 RX	Proper flow, temperature & alarm? (Yes/No)		N/A	
#7 & #8 Trench valve	CLOSED? (Yes/No)		open	
Dust/Vapor collector drain drum by #7 RX. Emptied? (Yes/No)	Drum level (1/4, ½. Etc.)	N/A	MT	
All 5-gallon pails in process area correctly labeled?	Yes or No? (If NO, please label)	N/A	YES	
Hazardous Waste **Accumulation Area #6**	Drum Level (1/4, 1/2, etc)	1/3	1/3	
[redacted]	Drained? (Yes/No)		YES	
[redacted]	Area spill free? (Yes/No)		YES	
[redacted]	Labeled as monomer waste? (Yes/No)		YES	
[redacted]	Record the date on the label of drum:	Date 11-28	Date 11-28	
[redacted]	Is the date on the label <45 days: (Yes/No)		YES	
[redacted]	Does Drum need to be changed out? (Yes/No)		NO	
[redacted]	Free of leaks or evidence of leaking? (Yes/No)		YES	
[redacted]	Free of dents, dings, bulging, creasing, etc? (Yes/No)		YES	
[redacted]	Grounded? (Yes/No)		YES	
[redacted]	Manual Vent Valve Closed? (YES/NO)		YES	
A-405B 7Reactor	Any indication of liquids dripping from seal? (Yes/No)		NO	
A-405C 8Reactor	Any indication of liquids dripping from seal? (Yes/No)		NO	
A-408C 8Initiator	Any indication of liquids dripping from seal? (Yes/No)		NO	
A-530 9Initiator	Any indication of liquids dripping from seal? (Yes/No)		NO	
A-405D 9Reactor	Any indication of liquids dripping from seal? (Yes/No)		NO	
VP-151 vacuum pump near D-151B in jet room	Any indication of liquids dripping from seal? (Yes/No)		NO	
P-151A north of D-151B in jet room	Any indication of liquids dripping from seal? (Yes/No)		NO	
P-405 bottom of TK-405D 9Reactor east of knock-out pot	Any indication of liquids dripping from seal? (Yes/No)		NO	

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BASF Corporation	Title:	Daily Operations Inspection Checklist	
Wya Polyol Plant	No.:	WYP0213	Page 3 of 9

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Date: 12-8-10 Days Operator: _____ Supervisor: _____

Nights Operator: DE Supervisor: CO

Item	Check	Days	Nights	Comments
VP-150 vacuum pump near D-150B in jet room	Any indication of liquids dripping from seal? (Yes/No)		NO	
P-150A west of D-150B in jet room	Any indication of liquids dripping from seal? (Yes/No)		NO	
VP-530D vacuum pump near S-530DB in jet room	Any indication of liquids dripping from seal? (Yes/No)		NO	
P-530DB south of S-530DB in jet room	Any indication of liquids dripping from seal? (Yes/No)		NO	
VP-405D vacuum pump near S-405D in jet room	Any indication of liquids dripping from seal? (Yes/No)		NO	
P-405D south of S-405D in jet room	Any indication of liquids dripping from seal? (Yes/No)		NO	
P-151 west of TK-151 9Reactor vacuum condensate collection tank at ground level	Any indication of liquids dripping from seal? (Yes/No)		NO	
P-153B west of TK-403D scrubber recirculation tank	Any indication of liquids dripping from seal? (Yes/No)		NO	
P-153A west of TK-403D scrubber recirculation tank	Any indication of liquids dripping from seal? (Yes/No)		NO	
Hazardous Waste **Accumulation Area #7**	Drum Level (1/4, 1/2, etc)		1/2	
	Drained? (Yes/No)		YES	
	Area spill free? (Yes/No)		YES	
	Labeled as monomer waste? (Yes/No)		YES	
	Record the date on the label of drum:	Date	Date 11-15	
	Is the date on the label <45 days? (Yes/No)		YES	
	Does Drum need to be changed out? (Yes/No)		NO	
	Free of leaks or evidence of leaking? (Yes/No)		YES	
	Free of dents, dings, bulging, creasing, etc? (Yes/No)		YES	
	Grounded? (Yes/No)		YES	
	Manual Vent Valve Closed? (YES/NO)		YES	
Hazardous Waste **Accumulation Area #8**	Drum Level (1/4, 1/2, etc)		1/8	
	Drained? (Yes/No)		NO	plugged
	Area spill free? (Yes/No)		YES	
	Labeled as monomer waste? (Yes/No)		YES	
	Record the date on the label of drum:	Date	Date 12-5	
	Is the date on the label <45 days? (Yes/No)		YES	

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File Name: WYP0213 DAILY OPERATIONS INSPECTION SHEET; Owner Name: Brian, Jeff

BASF Corporation	Title:	Daily Operations Inspection Checklist	
Wya Polyol Plant	No.:	WYP0213	Page 4 of 9

NOTE: MANY ITEMS ON THIS CHECKLIST ARE LEGAL REQUIREMENTS. IT IS MANDATORY THAT THIS CHECKLIST IS FILLED OUT COMPLETELY, AND RETURNED TO THE OPERATIONS SUPERVISOR FOR FILING. RECORDS ARE KEPT FOR 5 YEARS.

Date: 12-8-10 Days Operator: _____ Supervisor: _____

Nights Operator: DE Supervisor: LO

Item	Check	Days	Nights	Comments
[redacted]	Does Drum need to be changed out? (Yes/No)		NO	
[redacted]	Free of leaks or evidence of leaking? (Yes/No)		YES	
[redacted]	Free of dents, dings, bulging, creasing, etc? (Yes/No)		YES	
[redacted]	Grounded? (Yes/No)		YES	
[redacted]	Manual Vent Valve Closed? (YES/NO)		YES	
Hazardous Waste **Accumulation Area #9**	Drum Level (1/4, 1/2, etc)		1/3	
[redacted]	Drained? (Yes/No)		YES	
[redacted]	Area spill free? (Yes/No)		YES	
[redacted]	Labeled as monomer waste? (Yes/No)		YES	
[redacted]	Record the date on the label of drum:	Date	Date 12-6	
[redacted]	Is the date on the label <45 days: (Yes/No)		YES	
[redacted]	Does Drum need to be changed out? (Yes/No)		NO	
[redacted]	Free of leaks or evidence of leaking? (Yes/No)		YES	
[redacted]	Free of dents, dings, bulging, creasing, etc? (Yes/No)		YES	
[redacted]	Grounded? (Yes/No)		YES	
[redacted]	Manual Vent Valve Closed? (YES/NO)		YES	
Hazardous Waste **Accumulation Area #4**	Drum Level (1/4, 1/2, etc)	1/3	1/3	
[redacted]	Drained? (Yes/No)	YES	YES	
[redacted]	Area spill free? (Yes/No)	YES	YES	
[redacted]	Labeled as monomer waste? (Yes/No)	YES	YES	
[redacted]	Record the date on the label of drum:	Date 12-8	Date 12-8	
[redacted]	Is the date on the label <45 days? (Yes/No)	YES	YES	
[redacted]	Does Drum need to be changed out? (Yes/No)	changed NO	changed	
[redacted]	Free of leaks or evidence of leaking? (Yes/No)	YES	YES	
[redacted]	Free of dents, dings, bulging, creasing, etc? (Yes/No)	YES	YES	
[redacted]	Grounded? (Yes/No)	YES	YES	
[redacted]	Manual Vent Valve Closed? (YES/NO)	YES	YES	
Hazardous Waste **Accumulation Area #5**	Drum Level (1/4, 1/2, etc)		1/8	
[redacted]	Drained? (Yes/No)		YES	
[redacted]	Area spill free? (Yes/No)		YES	

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Date: 12-8-10 Days Operator: _____ Supervisor: _____

Nights Operator: DE Supervisor: LG

Item	Check	Days	Nights	Comments
	Labeled as monomer waste? (Yes/No)		YES	
	Record the date on the label of drum:	Date	Date 12-6	
	Is the date on the label <45 days? (Yes/No)		YES	
	Does Drum need to be changed out? (Yes/No)		NO	
	Free of leaks or evidence of leaking? (Yes/No)		YES	
	Free of dents, dings, bulging, creasing, etc? (Yes/No)		YES	
	Grounded? (Yes/No)		YES	
	Manual Vent Valve Closed? (YES/NO)		YES	
Hazardous Waste Satellite Area #11	Drum Level (1/4, 1/2, etc)		1/2	
	Drained? (Yes/No)		YES	
	Area spill free? (Yes/No)		YES	
	Labeled as monomer waste? (Yes/No)		YES	
	Changed and dated if full? (Yes/No)		NO	
	Free of leaks or evidence of leaking? (Yes/No)		YES	
	Free of dents, dings, bulging, creasing, etc? (Yes/No)		YES	
	Grounded? (Yes/No)		YES	
	Manual Vent Valve Closed? (YES/NO)		YES	
D702 Knock Out Waste **(P-025) (Would be located near Oxide KO pot at TO this waste is generated in relation with TO trips.)**	Is there one located near D702 Knock Pot? YES or NO		NO	
	Does drum contain material? YES or NO		NA	
	Labeled as P-025 Waste YES or NO?		NA	
	Drum disconnected from D702? YES or NO		NA	
	Drum Free of leaks and damage? YES or NO		NA	
	Drum dated as full? YES or NO		NA	
			—	
Containment Tote for Busch Pump Room Floor Drain	Tote empty? (Yes/No)	NO	NO	
	If not empty, determine what is inside. If just water from washing Busch pump room, then can empty into trench. If ethylene glycol, used oil, or unknown / unsure, contact Operations Engineer.	H2O	H2O	
	Area spill free? (Yes/No)	YES	YES	

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BASF Corporation	Title:	Daily Operations Inspection Checklist	
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Date: 12-8-10 Days Operator: _____ Supervisor: _____

Nights Operator: DE Supervisor: LO

Item	Check	Days	Nights	Comments
[redacted]	Labeled as wastewater? (Yes/No)		Yes	
[redacted]	Free of leaks or evidence of leaking? (Yes/No)		Yes	
[redacted]	Free of dents, dings, bulging, creasing, etc? (Yes/No)		Yes	
Satellite Area Supplies	One pallet of new drums available? (Yes/No)	N/A	Yes	
Ionol supply adequate?	(Yes/No)		Yes	
No. 7 Rx. Oil seal	Record level in sight glass		Yes	
No. 7 Rx. Nitrogen seal	Record pressure. Should be > 100 psig.		105	
Water flow to: (Flow indicated in sight glass)	No. 7 reactor seal. Flow visible? (Yes/No)		Yes	
No. 7 Gyrol cooler. Flow visible?	(Yes/No)		Yes	
-408Water scrubber flow rate. Flow rate of water through T-408 in jet room	Record flowrate. Should be > 50 gpm		137	
Eyewash- Niko Tank	Proper flow, temperature & alarm	N/A	Yes	
No. 8 Init. Jet decanter	Drained? (Yes/No)		NO	
Purge water under #8 press	Is it ON? (should be OFF if using funda)		OFF	
Eyewash by safety room	Proper flow, temperature & alarm	N/A	Yes	
Dust collector bag level (%)	Record level. Should be < 75% (empty as needed)	N/A	OK	
Busch Pump Oil tank	Dike free of spills? No evidence of any leaks? (Yes/No)		YES	
No. 2 Plant Warehouse Product and Raw material Drums and Bags in.	Warehouse is free of leaking drums and spilled / torn bags? (Yes/No)		YES	
#8 Reactor jet decanter level	Report Level Drained (Yes/No)		Y-NO	
Vazo Room- Floor is clear of pallets and plastic or other debris.	(Yes/No) If NO (Please clean up)		YES	
All 5-gal pails in process area correctly labeled	(Yes/No) (If NO, please label)	N/A	YES	
Britesorb Roll Off boxes	Cover closed? (Yes/No)		Yes	
[redacted]	Sufficient water level in box? (Yes/No)		Yes	
[redacted]	Area spill free? (Yes/No)		Yes	
[redacted]	Box needs emptying? (Yes/No)			
[redacted]	If < 2 boxes need emptying, report to foreman. (Save waste $$)			
[redacted]	Labeled with dated non-hazardous waste label? (Yes/No)			
[redacted]	PH value? (Monday and Thursday only)	N/A		

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BASF Corporation	Title:	Daily Operations Inspection Checklist	
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Date: 12-8-10 Days Operator: _____ Supervisor: _____

Nights Operator: DE Supervisor: LO

Item		Check	Days	Nights	Comments
		Free of leaks or evidence of leaking? (Yes/No)		yes	
#7 and #8 base charging drain tote		Level of tote/ Emptied? (Yes/No)		11/3/10	
No. 8 Rx. Rupture disc pressure		Record pressure. Should be 0 psig.		0	
No. 8 Rx seal oil		Record level in sight glass. Should be visible		1/8	
No. 8 Rx seal nitrogen		Record pressure. Should be > 100 psig.		105	
No. 8 Init. seal oil		Record level in sight glass. Should be visible		1/2	
No. 8 Init. seal nitrogen		Record pressure. Should be > 110 psig.		118	
Water flow to:(Flow indicated in sight glass)		No. 8 Init. Seals. Visible flow? (Yes/No)		yes	
		No. 8 Rect. Seals (outlet pipe west side rx)Flow visible? (Yes/No)		yes	
		No. 8 Gyrol cooler. Flow visible? (Yes/No)		yes	
				I	
Thermal Ox. – Air Monitoring Yokagawa Strip Chart in Control Rm.		Does it have paper? (Yes/No)		yes	
		Record status. Power on? (Yes/No)		yes	
		Is Paper Jammed? (Yes/No)		no	
		Is Start Button Green? (Yes/No)		yes	
		Results Legible and Clear? (Yes/No)		yes	
		If Problem, was Maintenance Notified? (Yes/No)		no	
Small Britesorb dump box.		Empty? (Yes/No)		yes	
		Free of leaks or evidence of leaking? (Yes/No)		yes	
		If box is under funda. Is the lid down? (Yes/No)		no	
		Area is clean and clear of ANY spilled material? (Yes/No)		yes	
		Filter cake Under No.8 & 9 Funda & No. 8 Sparkler? (Yes/No)		no	
All 5 gallon pails in process area correctly labeled		(Yes/No) (If NO, please label)	N/A	yes	
#9 Initiator base charging tote		Level of tote/ Emptied (Yes/No)		11/5-no	
No. 9 Init. jet decanter		Drained? (Yes/No)		no	
No. 9 Rx jet decanter		Drained and Purged EACH Shift? (Yes/No)		yes	
No. 9 Init. Agitator Seal		Record Level in sight glass. Should be visible.		1/2	
1	Eyewash Busch building	Proper flow & temperature & alarm? (Yes/No)		N/A	
2	Busch rupture disc pres.	Should be 0 psig. Enter MJ if disc has failed.		N/A	
3	#10 Rx rupture disc pres.	Should be 0 psig. Enter MJ if disc has failed.		N/A	
4	#10 Rx Agitator Seal Pres.	Record pressure. Should be 15 psig		16	

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BASF Corporation	Title:	Daily Operations Inspection Checklist	
Wya Polyol Plant	No.:	WYP0213	Page 8 of 9

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Date: 12-8-10 Days Operator: _____ Supervisor: _____

Nights Operator: DE Supervisor: CD

	Item	Check	Days	Nights	Comments
5	#10 Rx Agitator Seal Level	Should be visible (Yes/No)		1/2	
6	N2 Rotometer downstream side of Christmas tree #10 RX Vent	N2 flow through vent header (YES/NO) Normally reads ~6-8.		YES	
7	Eyewash - Deck by VB tank	Proper flow? (Yes/No)		NO Tocold	
8	9 Hold agitator	Seal level (1/4,1/2, Full)			
9	Eyewash by sulfuric acid tank	Proper, flow, temperature & alarm (Yes/No)		Tocold	
10	Eyewash by #9 Init. Charging	Proper flow & temperature & alarm (Yes/No)		Yes	
11	#9 Trench valve	Should be CLOSED (Yes/No)		YES	
12	#10 Trench valve	Should be CLOSED (Yes/No)		YES	
13	No 9 Hold Tank pump seal pot pressure	Record pressure. Should be between 200-230 psig		225	
14	9 Hold pump	Record Seal pot level (1/2,1/4,etc.)		1/4	
15	9 Flash pump	Record Seal pot level (1/2,1/4,etc.)		2/3	
16	No 9 flash tank pump seal pot pressure	Record pressure. Should be between 200-230 psig		195	
17	Eyewash by graft pumpout header	Proper flow & temperature & alarm? (Yes/No)		Tocold	
18	Eyewash by truck load	Proper flow & temperature & alarm? (Yes/No)		Tocold	
19	Eyewash by TK-526	Proper flow & temperature & alarm? (Yes/No)		Tocold	
20	Outlet Temp. on Busch Pumps (Check on Midnights) *SEE NOTE*	Record temp. Should be 100-160°F	A 160	B 150 C 160	D Down E 165 F 165
21	Busch pump A in Busch room	Any indication of liquid dripping from seal? (Yes/No)		NO	
22	Busch pump B in Busch room	Any indication of liquid dripping from seal? (Yes/No)		NO	
23	Busch pump C in Busch room	Any indication of liquid dripping from seal? (Yes/No)		NO	
24	Busch pump F in Busch room	Any indication of liquid dripping from seal? (Yes/No)		NO	
25	Busch pump E in Busch room	Any indication of liquid dripping from seal? (Yes/No)		NO	
26	Busch pump D in Busch room	Any indication of liquid dripping from seal? (Yes/No)		NO	
27	P-510A monomer mix tank pump	Any indication of liquid dripping from seal? (Yes/No)		NO	
28	P-510 mixed monomer tank pump	Any indication of liquid dripping from seal? (Yes/No)		NO	
29	P-525	Any indication of liquid dripping from seal? (Yes/No)		NO	
30	P-529	Any indication of liquid dripping from seal? (Yes/No)		NO	
31	P-528 CGR Pump	Any indication of liquid dripping from seal? (Yes/No)		NO	
32	P-413C recycled monomer pump	Any indication of liquid dripping from seal? (Yes/No)		NO	

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Date: 12-8-10 Days Operator: _____ Supervisor: _____

Nights Operator: DE Supervisor: LO

	Item	Check	Days	Nights	Comments
33	Recycle TK413C for ½ hour each shift in automatic unless producing P-1528 and or P-1365.	Verify flow and temp of pump. Ok? (Yes/No)		1365	

***If #10RX and PCGR are down leave one busch pump running and shut down the remaining pumps. Rotate that pump to a different pump every four hours.**

REVISIONS

1. Update title and number of document. Deniz Hinz 6/18/08
2. Add Monomer pumps to the inspection sheet for graft Joel Young 6/18/09
3. Added language for consistency, eliminated blanks, removed references to #7/#8/#10 Operator, general cleanup to 8 pages from 11 DHE 10/23/09

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Printed: Wed Dec 08 07:12:26 EST 2010, Expires: Thu Dec 09 07:12:26 EST 2010

BASF Corporation	Title:	Hazardous Waste Satellite Storage Log		
Wya Polyol Plant	No.:	WYP0222	Page:	1 of 4

WASTE SATELLITE STORAGE AREA - INSPECTION/TRANSFER LOG

RETURN COMPLETED LOG TO SUPERVISOR TO BE FILED IN THE POLYOL DOCUMENT CENTER

SITE WASTE WARHOUSE HOURS MONDAY/WEDNESDAY 1-2PM, FRIDAY 10-11 AM

DATE: 12/6/10 TIME: 1030 INSPECTED BY (PRINT FULL NAME): Tim Sleep

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2	#7 Jet Decanter Waste (W-035)	Y	Y	Y	Y	Y/4	Y	Y	N	—
1	Neutralized MDI Waste (W-067)	Y	Y	Y	Y	3/4	N	Y	N	—
11	Monomer Waste (W-010)	Y	Y	Y	Y	1/3	Y	Y	N	—
	D702 Knock Out Waste (P-025) (Would be located near Oxide KO pot at TO this waste is generated in relation with TO trips.)		NO	Drum						
12	Neutralized TDI Waste (W-068)	Y	Y	Y	Y	Y/4	Y	Y	N	—
13	Sugar/Pent/Polyol (A-645)	Y	Y	Y	Y	MT	N	Y	N	—
15	Waste Toluene Filters (#3BB for carbon beds) (W-799)	Y	Y	Y	Y	Y/4	N	Y	N	—
	Used Oil (A-603-08) Flammable Shed Maintence Pad	Y	Y	Y	Y	Y/4	N	N	N	—
	Polyol QA Waste (W-760) (Will be inside of retain room)	Y	Y	Y	Y	Y/3	N	N	N	—
	Crushed Glass (A-616) (Will be inside of retain room)	Y	Y	Y	Y	MT	N	N	N	—

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Printed: Mon Dec 06 08:12:56 EST 2010; Expires: Tue Dec 07 08:12:56 EST 2010
File Name: WYP0222 HAZARDOUS WASTE SATELLITE STORAGE LOG, Owner Name: Bryan, Jeff

HAZARDOUS WASTE < 90 DAY ACCUMULATIONS STORAGE AREA - INSPECTION/TRANSFER LOG
RETURN COMPLETED LOG TO SUPERVISOR TO BE FILED IN THE POLYOL DOCUMENT CENTER

	Waste Aerosols (W-904) In Maintence Shop	Y	Y	Y	Y	Y/N	N	N	N	—

WASTE TRANSFERS / COMMENTS (PLEASE LOG ALL TRANSFERS WITH INDIVIDUAL CONTAINER WEIGHTS IN POUNDS

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Printed: Mon Dec 06 08 12:56 EST 2010, Expires: Tue Dec 07 08:12:56 EST 2010
File Name: WYP0222 HAZARDOUS WASTE SATELLITE STORAGE LOG; Owner Name: Bryan, Jeff

BASF Corporation	Title:	Hazardous Waste Satellite Storage Log		
Wya Polyol Plant	No.:	WYP0222	Page:	3 of 4

HAZARDOUS WASTE < 90 DAY ACCUMULATIONS STORAGE AREA - INSPECTION/TRANSFER LOG
RETURN COMPLETED LOG TO SUPERVISOR TO BE FILED IN THE POLYOL DOCUMENT CENTER
SITE WASTE WARHOUSE HOURS MONDAY/WEDNESDAY 1-2PM, FRIDAY 10-11 AM

DATE: 12/6/10 TIME: 1030 INSPECTED BY (PRINT FULL NAME): Tom Sleep

		RECORD THE DATE OFF THE LABEL. IS IT <45 DAYS OLD?	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4	Monomer Waste (W-010)	Date: 12/4/10	Y	Y	Y/3	Y	Y	N	—
5	Monomer Waste (W-010)	Date: 11/15/10	Y	Y	2/3	Y	Y	N	—
6	Monomer Waste (W-010)	Date: 11/23/10	Y	Y	Y/3	Y	Y	N	—
7	Monomer Waste (W-010)	Date: 11/15/10	Y	Y	Y/2	Y	Y	N	—
8	Monomer Waste (W-010)	Date: 12/5/10	Y	Y	MT	Y	Y	N	—
9	Monomer Waste (W-010)	Date: 11/24/10	Y	Y	Y2	N	Y	N	—

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BASF Corporation	Title:	Hazardous Waste Satellite Storage Log		
Wya Polyol Plant	No.:	WYP0222	Page:	3 of 4

HAZARDOUS WASTE < 90 DAY ACCUMULATIONS STORAGE AREA - INSPECTION/TRANSFER LOG
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SITE WASTE WARHOUSE HOURS MONDAY/WEDNESDAY 1-2PM, FRIDAY 10-11 AM

DATE: 12/6/10 TIME: 1030 INSPECTED BY (PRINT FULL NAME): Tom Sleep

		START DATE ON LABEL IS <11 MONTHS								
1	Waste Batteries (U-800) Supervisor's Office **(Dispose of >11 months)**	Y	Y	Y	Y	Y	Y/Y	Y	N	—
2	Waste Batteries (U-800) Maintenance Shop **(Dispose of >11 months)**	Y	Y	Y	Y	Y	Y/2	N	N	—

WASTE TRANSFERS / COMMENTS (PLEASE LOG ALL TRANSFERS WITH INDIVIDUAL CONTAINER WEIGHTS IN POUNDS)

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File Name: WYP0222 HAZARDOUS WASTE SATELLITE STORAGE LOG; Owner Name: Bryan, Jeff

BASF Corporation	Title:	Daily Operations Inspection Checklist	
Wya Polyol Plant	No.:	WYP0213	Page 1 of 9

NOTE: MANY ITEMS ON THIS CHECKLIST ARE LEGAL REQUIREMENTS. IT IS MANDATORY THAT THIS CHECKLIST IS FILLED OUT COMPLETELY, AND RETURNED TO THE OPERATIONS SUPERVISOR FOR FILING. RECORDS ARE KEPT FOR 5 YEARS.

Date: 12/01/10 Days Operator: ST Supervisor: ST

Nights Operator: SSS Supervisor: JAF

Item	Check	Days	Nights	Comments
Emergency radio set on SCAN mode	Record status. Should be set on SCAN mode to monitor the Emergency Channel	OK	OK	
Emergency radio volume	Record status. Volume should be turned "on"	OK	OK	
Confirm that the radios of the Shift Leader and Tank Farm Area Leader are in the SCAN mode.	Record status. Should be set on SCAN mode to monitor the Emergency Channel.	ok	OK	
Control Room pressure	Record pressure. Should be > 0.1"	.07	.07	
Air moisture analyser	Record moisture content. Should be < -90, i.e. -95, -100, etc	-91	-91	
Steam pressure	Record pressure. Should be > 105 psig. & stable	118	112	
Battery backup for temp. Indicator	Record voltage. Should be 24-30 volts	2457	25.46	
General Monitors-#2 Plant	Record status. No alarms/no malfunctions	None	None	
Instrument air pressure	Record pressure. Should be > 90 psig. & stable	99	98	
River water pressure	Record pressure. Should be > 65 psig. & stable	80	82	
Busch Glycol Storage level	Record level. Should be > 50%	61	61%	
Busch Glycol Storage Temp.	Record temp. Should be > 140 °F	145	145	
TK526 Temp (Mercaptan)	Record temp. Should be 50-150°F.	80	79°	
EO Transfer Pump	Using P-101B2? (Yes/No) If no report to coordinator	Yes	Yes	
PO Transfer Pump	Using P-101C2? (Yes/No) If no report to coordinator	Yes	Yes	
Battery backup	Ready light on? (Yes/No)	Yes	Yes	
Survive Air packs (Control Room)	Two cleaned and available? (Yes/No)	Yes	N/A	
Eyewash pressure	Record pressure. Should be > 60 psig.	60.9	64	
TMP recycle	Flowing? (Yes/No)	Yes	Yes	
No 7 jet decanter waste **(Satellite)**	Drained and spill free? (Yes/No)	NO/Yes	No/yes	
	Labeled as Jet Decanter Waste? (Yes/No)	Yes	Yes	
	Full & Dated? (Yes/No)	N/A	N/A	
	Grounded? (Yes/No)	Yes	Yes	
Sulfuric Acid Dike	Is the Dike Empty? (Yes/No)	NO	No	
	If Not, Did You Empty? (Yes/No)	NO	No	
	What Time was Dike Emptied?	N/A	N/A	

UNCONTROLLED COPY
Printed: Wed Dec 01 08:57:45 EST 2010, Expires: Thu Dec 02 08:57:45 EST 2010
File Name: WYP0213 DAILY OPERATIONS INSPECTION SHEET; Owner Name: Bryan, Jeff

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Date: 12/01/10 Days Operator: ST Supervisor: ST

Nights Operator: SSS Supervisor: JAF

Item	Check	Days	Nights	Comments
	If Yes, What is the pH?	N/A	N/A	
	If Yes, What is the Color?	N/A	N/A	
	# of Phases in Standing Water Sample? (1/2/NA)	N/A	N/A	
Eyewash pad by No. 7 RX	Proper flow, temperature & alarm? (Yes/No)	—	N/A	
#7 & #8 Trench valve	CLOSED? (Yes/No)	NO	No	
Dust/Vapor collector drain drum by #7 RX. Emptied? (Yes/No)	Drum level (1/4, ½. Etc.)	N/A	mT	
All 5-gallon pails in process area correctly labeled?	Yes or No? (If NO, please label)	N/A	Yes	
Hazardous Waste **Accumulation Area #6**	Drum Level (1/4, 1/2, etc)	1/8	1/8	
	Drained? (Yes/No)	Yes	Yes	
	Area spill free? (Yes/No)	Yes	Yes	
	Labeled as monomer waste? (Yes/No)	Yes	Yes	
	Record the date on the label of drum:	Date 11-28	Date 11/28	
	Is the date on the label <45 days: (Yes/No)	Yes	Yes	
	Does Drum need to be changed out? (Yes/No)	NO	No	
	Free of leaks or evidence of leaking? (Yes/No)	Yes	Yes	
	Free of dents, dings, bulging, creasing, etc? (Yes/No)	Yes	Yes	
	Grounded? (Yes/No)	Yes	Yes	
	Manual Vent Valve Closed? (YES/NO)	Yes	Yes	
A-405B 7Reactor	Any indication of liquids dripping from seal? (Yes/No)	NO	No	
A-405C 8Reactor	Any indication of liquids dripping from seal? (Yes/No)	NO	No	
A-408C 8Initiator	Any indication of liquids dripping from seal? (Yes/No)	NO	No	
A-530 9Initiator	Any indication of liquids dripping from seal? (Yes/No)	NO	No	
A-405D 9Reactor	Any indication of liquids dripping from seal? (Yes/No)	NO	No	
VP-151 vacuum pump near D-151B in jet room	Any indication of liquids dripping from seal? (Yes/No)	NO	No	
P-151A north of D-151B in jet room	Any indication of liquids dripping from seal? (Yes/No)	NO	No	
P-405 bottom of TK-405D 9Reactor east of knock-out pot	Any indication of liquids dripping from seal? (Yes/No)	NO	No	

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BASF Corporation	Title:	Daily Operations Inspection Checklist	
Wya Polyol Plant	No.:	WYP0213	Page 3 of 9

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Date: 12/01/10 Days Operator: ST Supervisor: ST

Nights Operator: SSS Supervisor: JAF

Item	Check	Days	Nights	Comments
VP-150 vacuum pump near D-150B in jet room	Any indication of liquids dripping from seal? (Yes/No)	NO	No	
P-150A west of D-150B in jet room	Any indication of liquids dripping from seal? (Yes/No)	NO	No	
VP-530D vacuum pump near S-530DB in jet room	Any indication of liquids dripping from seal? (Yes/No)	NO	No	
P-530DB south of S-530DB in jet room	Any indication of liquids dripping from seal? (Yes/No)	NO	No	
VP-405D vacuum pump near S-405D in jet room	Any indication of liquids dripping from seal? (Yes/No)	NO	No	
P-405D south of S-405D in jet room	Any indication of liquids dripping from seal? (Yes/No)	NO	No	
P-151 west of TK-151 9Reactor vacuum condensate collection tank at ground level	Any indication of liquids dripping from seal? (Yes/No)	NO	No	
P-153B west of TK-403D scrubber recirculation tank	Any indication of liquids dripping from seal? (Yes/No)	NO	No	
P-153A west of TK-403D scrubber recirculation tank	Any indication of liquids dripping from seal? (Yes/No)	NO	No	
Hazardous Waste **Accumulation Area #7**	Drum Level (1/4, 1/2, etc)	1/8	1/3	
	Drained? (Yes/No)	Yes	yes	
	Area spill free? (Yes/No)	Yes	yes	
	Labeled as monomer waste? (Yes/No)	Yes	yes	
	Record the date on the label of drum:	Date 11-15	Date 11/15	
	Is the date on the label <45 days? (Yes/No)	Yes	yes	
	Does Drum need to be changed out? (Yes/No)	NO	No	
	Free of leaks or evidence of leaking? (Yes/No)	Yes	yes	
	Free of dents, dings, bulging, creasing, etc? (Yes/No)	Yes	yes	
	Grounded? (Yes/No)	Yes	yes	
	Manual Vent Valve Closed? (YES/NO)	Yes	yes	
Hazardous Waste **Accumulation Area #8**	Drum Level (1/4, 1/2, etc)	1/2	2/3	
	Drained? (Yes/No)	Yes	yes	
	Area spill free? (Yes/No)	Yes	yes	
	Labeled as monomer waste? (Yes/No)	Yes	yes	
	Record the date on the label of drum:	Date 11-16	Date 11/16	
	Is the date on the label <45 days? (Yes/No)	Yes	Yes	

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Nights Operator: SSS Supervisor: JAF

Item	Check	Days	Nights	Comments
	Does Drum need to be changed out? (Yes/No)	NO	NO	
	Free of leaks or evidence of leaking? (Yes/No)	Yes	yes	
	Free of dents, dings, bulging, creasing, etc? (Yes/No)	Yes	yes	
	Grounded? (Yes/No)	Yes	yes	
	Manual Vent Valve Closed? (YES/NO)	Yes	yes	
Hazardous Waste **Accumulation Area #9**	Drum Level (1/4, 1/2, etc)	1/2	1/2	
	Drained? (Yes/No)	yes	yes	
	Area spill free? (Yes/No)	Yes	yes	
	Labeled as monomer waste? (Yes/No)	Yes	yes	
	Record the date on the label of drum:	Date 11-24	Date 11/24	
	Is the date on the label <45 days: (Yes/No)	Yes	yes	
	Does Drum need to be changed out? (Yes/No)	NO	NO	
	Free of leaks or evidence of leaking? (Yes/No)	Yes	yes	
	Free of dents, dings, bulging, creasing, etc? (Yes/No)	Yes	yes	
	Grounded? (Yes/No)	Yes	yes	
	Manual Vent Valve Closed? (YES/NO)	Yes	yes	
Hazardous Waste **Accumulation Area #4**	Drum Level (1/4, 1/2, etc)	2/3	1/3	CHANGED 12/1
	Drained? (Yes/No)	yes	yes	
	Area spill free? (Yes/No)	Yes	yes	
	Labeled as monomer waste? (Yes/No)	Yes	yes	
	Record the date on the label of drum:	Date 11-30	Date 12/1	
	Is the date on the label <45 days? (Yes/No)	Yes	yes	
	Does Drum need to be changed out? (Yes/No)	NO	NO	
	Free of leaks or evidence of leaking? (Yes/No)	Yes	yes	
	Free of dents, dings, bulging, creasing, etc? (Yes/No)	Yes	yes	
	Grounded? (Yes/No)	yes	yes	
	Manual Vent Valve Closed? (YES/NO)	yes	yes	
Hazardous Waste **Accumulation Area #5**	Drum Level (1/4, 1/2, etc)	2/3	2/3	
	Drained? (Yes/No)	Yes	yes	
	Area spill free? (Yes/No)	Yes	yes	

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BASF Corporation	Title:	Daily Operations Inspection Checklist	
Wya Polyol Plant	No.:	WYP0213	Page 5 of 9

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Item	Check	Days	Nights	Comments
	Labeled as monomer waste? (Yes/No)	Yes	Yes	
	Record the date on the label of drum:	Date 11-15	Date 11/15	
	Is the date on the label <45 days? (Yes/No)	Yes	Yes	
	Does Drum need to be changed out? (Yes/No)	NO	NO	
	Free of leaks or evidence of leaking? (Yes/No)	Yes	Yes	
	Free of dents, dings, bulging, creasing, etc? (Yes/No)	Yes	Yes	
	Grounded? (Yes/No)	Yes	Yes	
	Manual Vent Valve Closed? (YES/NO)	Yes	Yes	
Hazardous Waste Satellite Area #11	Drum Level (1/4, 1/2, etc)	1/4	1/4	
	Drained? (Yes/No)	Yes	Yes	
	Area spill free? (Yes/No)	Yes	Yes	
	Labeled as monomer waste? (Yes/No)	Yes	Yes	
	Changed and dated if full? (Yes/No)	NO	N/A	
	Free of leaks or evidence of leaking? (Yes/No)	Yes	Yes	
	Free of dents, dings, bulging, creasing, etc? (Yes/No)	Yes	Yes	
	Grounded? (Yes/No)	Yes	Yes	
	Manual Vent Valve Closed? (YES/NO)	Yes	Yes	
D702 Knock Out Waste **(P-025) (Would be located near Oxide KO pot at TO this waste is generated in relation with TO trips.)**	Is there one located near D702 Knock Pot? YES or NO	NO	NO	
	Does drum contain material? YES or NO	N/A	N/A	
	Labeled as P-025 Waste YES or NO?	N/A	N/A	
	Drum disconnected from D702? YES or NO	N/A	N/A	
	Drum Free of leaks and damage? YES or NO	N/A	N/A	
	Drum dated as full? YES or NO	N/A	N/A	
Containment Tote for Busch Pump Room Floor Drain	Tote empty? (Yes/No)	NO	NO	
	If not empty, determine what is inside. If just water from washing Busch pump room, then can empty into trench. If ethylene glycol, used oil, or unknown / unsure, contact Operations Engineer.	H_2O	H_2O	
	Area spill free? (Yes/No)	Yes	Yes	

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Wya Polyol Plant	No.:	WYP0213	Page 6 of 9

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Item	Check	Days	Nights	Comments
	Labeled as wastewater? (Yes/No)	yes	yes	
	Free of leaks or evidence of leaking? (Yes/No)	yes	yes	
	Free of dents, dings, bulging, creasing, etc? (Yes/No)	yes	yes	
Satellite Area Supplies	One pallet of new drums available? (Yes/No)	N/A	yes	
Ionol supply adequate?	(Yes/No)	yes	yes	
No. 7 Rx. Oil seal	Record level in sight glass	7/8	7/8	
No. 7 Rx. Nitrogen seal	Record pressure. Should be > 100 psig.	105	110	
Water flow to: (Flow indicated in sight glass)	No. 7 reactor seal. Flow visible? (Yes/No)	yes	yes	
No. 7 Gyrol cooler. Flow visible?	(Yes/No)	yes	yes	
-408Water scrubber flow rate. Flow rate of water through T-408 in jet room	Record flowrate. Should be > 50 gpm	134	134	
Eyewash- Niko Tank	Proper flow, temperature & alarm	N/A	yes	
No. 8 Init. Jet decanter	Drained? (Yes/No)	NO	~~NO~~ yes	
Purge water under #8 press	Is it ON? (should be OFF if using funda)	OFF	OFF	
Eyewash by safety room	Proper flow, temperature & alarm	N/A	yes	
Dust collector bag level (%)	Record level. Should be < 75% (empty as needed)	N/A	—	
Busch Pump Oil tank	Dike free of spills? No evidence of any leaks? (Yes/No)	yes	yes	
No. 2 Plant Warehouse Product and Raw material Drums and Bags in.	Warehouse is free of leaking drums and spilled / torn bags? (Yes/No)	yes	yes	
#8 Reactor jet decanter level	Report Level Drained (Yes/No)	1/4	1/4 NO	
Vazo Room- Floor is clear of pallets and plastic or other debris.	(Yes/No) If NO (Please clean up)	yes	yes	
All 5-gal pails in process area correctly labeled	(Yes/No) (If NO, please label)	N/A	yes	
Britesorb Roll Off boxes	Cover closed? (Yes/No)	NO	NO	
	Sufficient water level in box? (Yes/No)	yes	yes	
	Area spill free? (Yes/No)	yes	yes	
	Box needs emptying? (Yes/No)	NO	NO	
	If < 2 boxes need emptying, report to foreman. (Save waste $$)	N/A	N/A	
	Labeled with dated non-hazardous waste label? (Yes/No)	yes	yes	
	PH value? (Monday and Thursday only)	N/A	N/A	

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BASF Corporation	Title:	Daily Operations Inspection Checklist	
Wya Polyol Plant	No.:	WYP0213	Page 7 of 9

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Item	Check	Days	Nights	Comments
	Free of leaks or evidence of leaking? (Yes/No)	Yes	Yes	
#7 and #8 base charging drain tote	Level of tote/ Emptied? (Yes/No)	MT	MT	
No. 8 Rx. Rupture disc pressure	Record pressure. Should be 0 psig.	~~0~~	0	
No. 8 Rx seal oil	Record level in sight glass. Should be visible	7/8	3/4	
No. 8 Rx seal nitrogen	Record pressure. Should be > 100 psig.	100	105	
No. 8 Init. seal oil	Record level in sight glass. Should be visible	1/2	1/2	
No. 8 Init. seal nitrogen	Record pressure. Should be > 110 psig.	119	119	
Water flow to: (Flow indicated in sight glass)	No. 8 Init. Seals. Visible flow? (Yes/No)	Yes	Yes	
	No. 8 Rect. Seals (outlet pipe west side rx)Flow visible? (Yes/No)	Yes	Yes	
	No. 8 Gyrol cooler. Flow visible? (Yes/No)	Yes	Yes	
		—	—	
Thermal Ox. – Air Monitoring Yokagawa Strip Chart in Control Rm.	Does it have paper? (Yes/No)	Yes	Yes	
	Record status. Power on? (Yes/No)	Yes	Yes	
	Is Paper Jammed? (Yes/No)	NO	NO	
	Is Start Button Green? (Yes/No)	Yes	Yes	
	Results Legible and Clear? (Yes/No)	Yes	Yes	
	If Problem, was Maintenance Notified? (Yes/No)	N/A	N/A	
Small Britesorb dump box.	Empty? (Yes/No)	Yes	Yes	
	Free of leaks or evidence of leaking? (Yes/No)	Yes	Yes	
	If box is under funda, Is the lid down? (Yes/No)	—	—	
	Area is clean and clear of ANY spilled material? (Yes/No)	Yes	Yes	
	Filter cake Under No.8 & 9 Funda & No. 8 Sparkler? (Yes/No)	NO	NO	
All 5 gallon pails in process area correctly labeled	(Yes/No) (If NO, please label)	N/A	Yes	
#9 Initiator base charging tote	Level of tote/ Emptied (Yes/No)	3/4	3/4	
No. 9 Init. jet decanter	Drained? (Yes/No)	NO	NO	
No. 9 Rx jet decanter	Drained and Purged EACH Shift? (Yes/No)	NO	NO	
No. 9 Init. Agitator Seal	Record Level in sight glass. Should be visible.	2/3	5/8	
1 Eyewash Busch building	Proper flow & temperature & alarm? (Yes/No)	—	N/A	
2 Busch rupture disc pres.	Should be 0 psig. Enter MJ if disc has failed.	~~0~~	N/A	
3 #10 Rx rupture disc pres.	Should be 0 psig. Enter MJ if disc has failed.	~~0~~	N/A	
4 #10 Rx Agitator Seal Pres.	Record pressure. Should be 15 psig	17	16	

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BASF Corporation	Title:	Daily Operations Inspection Checklist	
Wya Polyol Plant	No.:	WYP0213	Page 8 of 9

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Nights Operator: SSS Supervisor: JAF

	Item	Check	Days	Nights	Comments
5	#10 Rx Agitator Seal Level	Should be visible (Yes/No)	3/4	2/3	
6	N2 Rotometer downstream side of Christmas tree #10 RX Vent	N2 flow through vent header (YES/NO) Normally reads ~6-8.	Yes	Yes	
7	Eyewash - Deck by VB tank	Proper flow? (Yes/No)	—	—	
8	9 Hold agitator	Seal level (1/4,1/2, Full)	—	—	
9	Eyewash by sulfuric acid tank	Proper, flow, temperature & alarm (Yes/No)	—	—	
10	Eyewash by #9 Init. Charging	Proper flow & temperature & alarm (Yes/No)	—	—	
11	#9 Trench valve	Should be CLOSED (Yes/No)	Yes	Yes	
12	#10 Trench valve	Should be CLOSED (Yes/No)	Yes	Yes	
13	No 9 Hold Tank pump seal pot pressure	Record pressure. Should be between 200-230 psig	225	225	
14	9 Hold pump	Record Seal pot level (1/2,1/4,etc.)	1/2	1/2	
15	9 Flash pump	Record Seal pot level (1/2,1/4,etc.)	2/3	2/3	
16	No 9 flash tank pump seal pot pressure	Record pressure. Should be between 200-230 psig	195	195	
17	Eyewash by graft pumpout header	Proper flow & temperature & alarm? (Yes/No)	—	—	
18	Eyewash by truck load	Proper flow & temperature & alarm? (Yes/No)	—	—	
19	Eyewash by TK-526	Proper flow & temperature & alarm? (Yes/No)	—	—	
20	Outlet Temp. on Busch Pumps (Check on Midnights) ***SEE NOTE***	Record temp. Should be 100-160°F	A	B	C D E F
21	Busch pump A in Busch room	Any indication of liquid dripping from seal? (Yes/No)	NO	No	
22	Busch pump B in Busch room	Any indication of liquid dripping from seal? (Yes/No)	NO	No	
23	Busch pump C in Busch room	Any indication of liquid dripping from seal? (Yes/No)	NO	No	
24	Busch pump F in Busch room	Any indication of liquid dripping from seal? (Yes/No)	NO	No	
25	Busch pump E in Busch room	Any indication of liquid dripping from seal? (Yes/No)	NO	No	
26	Busch pump D in Busch room	Any indication of liquid dripping from seal? (Yes/No)	NO	No	
27	P-510A monomer mix tank pump	Any indication of liquid dripping from seal? (Yes/No)	NO	No	
28	P-510 mixed monomer tank pump	Any indication of liquid dripping from seal? (Yes/No)	NO	No	
29	P-525	Any indication of liquid dripping from seal? (Yes/No)	NO	No	
30	P-529	Any indication of liquid dripping from seal? (Yes/No)	NO	No	
31	P-528 CGR Pump	Any indication of liquid dripping from seal? (Yes/No)	NO	NO	
32	P-413C recycled monomer pump	Any indication of liquid dripping from seal? (Yes/No)	NO	No	

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File Name: WYP0213 DAILY OPERATIONS INSPECTION SHEET; Owner Name: Bryan, Jeff

NOTE: MANY ITEMS ON THIS CHECKLIST ARE LEGAL REQUIREMENTS. IT IS MANDATORY THAT THIS CHECKLIST IS FILLED OUT COMPLETELY, AND RETURNED TO THE OPERATIONS SUPERVISOR FOR FILING. RECORDS ARE KEPT FOR 5 YEARS.

Date: 12/01/10 Days Operator: ST Supervisor: ST

Nights Operator: SSS Supervisor: JAF

	Item	Check	Days	Nights	Comments
33	Recycle TK413C for ½ hour each shift in automatic unless producing P-1528 and or P-1365.	Verify flow and temp of pump. Ok? (Yes/No)	Yes	Yes	

***If #10RX and PCGR are down leave one busch pump running and shut down the remaining pumps. Rotate that pump to a different pump every four hours.**

REVISIONS

1. Update title and number of document. Deniz Hinz 6/18/08
2. Add Monomer pumps to the inspection sheet for graft Joel Young 6/18/09
3. Added language for consistency, eliminated blanks, removed references to #7/#8/#10 Operator, general cleanup to 8 pages from 11 DHE 10/23/09

UNCONTROLLED COPY
Printed: Wed Dec 01 06:57:45 EST 2010; Expires: Thu Dec 02 06:57:45 EST 2010
File Name: WYP0213 DAILY OPERATIONS INSPECTION SHEET: Owner Name: Brvan Jeff

BASF The Chemical Company JPP Procedure Wyandotte	**Title**: Requirements for Tanks Managing Hazardous Waste in VOC Service	
	Function: JPP Standard Operating Procedure	
	No.: JPP-SOP-	**Page**: 1 of 3
Author: Dave Sheaves	**Owner:** Dan Hannewald	**Approver:** Dave Sheaves
Rev: 0	**Active:** 07/01/2009	**Supersedes:** NEW

PURPOSE

To ensure tanks managing Hazardous Wastes with a Volatile Organic Content (VOC) greater than or equal to 500 ppmv comply with the requirements stated in 40 CFR 265 Subpart CC

SCOPE

This procedure applies to the Joncryl Production Process and all tanks managing Hazardous Wastes in the Joncryl Process. These tanks are as follows: D-1053, D-1054, D-4105, D-1081, and D-1082.

All four tanks are subject to Level 2 controls and are operated as pressure tanks and are considered to be in Light Liquid Service.

RELATED DOCUMENTS

Management of Chemical Wastes	WYN032.060
Management of Hazardous Wastes in Less Than 90 Day Tanks	JPP-SOP-
WYN032.066 Management of Hazardous Wastes in Tanks.	WYN032.066

SAFETY

Potential hazards from this procedure

Hazard	Magnitude and Source
Chemical Exposure	N/A
Environmental Release	N/A
Ergonomic	N/A
Pressure release/spray	N/A
Thermal	N/A
Other	N/A

DEFINITIONS

Tank - Means a stationary device, designed to contain an accumulation of hazardous waste which is constructed primarily of non-earthen materials (e.g., wood, concrete, steel, plastic) which provide structural support.

Tank System - Means a hazardous waste storage or treatment tank and its associated ancillary equipment and containment system.

Volatile Organic Content - Means the fraction by weight of the volatile organic compounds contained in a hazardous waste expressed in terms of parts per million (ppmw) as determined by direct measurement or by knowledge of the waste in accordance with the requirements of 40 CFR 265.1084. For the purpose of determining the VO concentration of a hazardous waste, organic compounds with a Henry's law constant value of at least 0.1 mole-fraction-in-the-gas-phase/mole-fraction-in the liquid-phase (0.1 Y/X) (which can also be expressed as 1.8×10−6atmospheres/gram-mole/m^3) at 25°C must be included. Appendix VI of 40 CFR 265 subpart CC presents a list of compounds known to have a Henry's law constant value less than the cutoff level.

Light Liquid Service - Means the tank is used to manage a material for which both of the following conditions apply: The vapor pressure of one or more of the organic constituents in the material is greater than 0.3 kilopascals (kPa) at 20 °C; and the total concentration of the pure organic constituents having a vapor pressure greater than 0.3 kPa at 20 °C is equal to or greater than 20 percent by weight.

PROCEDURE

1.0 Requirements for Pressure Tanks Operating in Light Liquid Service

1.1 The tanks shall vent to the Regenerative Thermal Oxidizer during normal operations. Refer to plant Start Up, Shut Down, Malfunction Plan for non-routine operating conditions.

1.2 All openings shall be equipped with closure devices designed to ensure the tanks operate with no detectable emissions. No Detectable Emissions means:

1.2.1 For closure devices < 500 ppmv via EPA Method 21.

1.2.2 Seals around rotating shafts shall operate at < 10,000 ppmv.

1.3 The tank system shall be inspected on a daily basis to determine the presence of any leaks or defects.

1.3.1 All observed leaks or defects shall receive a first attempt at repair immediately.

1.3.2 The leak shall be reported in the AIMS system.

1.3.3 No later than five days after the discovery of the leak a first attempt a repair must be affected along with follow up monitoring within five days of discovery.

1.3.4 All repairs and final monitoring must be completed no later than fifteen days after initial discovery.

2.0 Records Retention Requirements

2.1 The waste determination used to document the VO concentration shall be maintained in both the Joncryl Plant and in EHS.

2.2 Inspection records shall be maintained for the life of the Joncryl Plant according to the Joncryl Plant's Record Retention procedure.

2.3 Repair Records shall be maintained for the life of the Joncryl Plant according to the Joncryl Plant's Record Retention procedure.

BASF Corporation	Title: Requirements for the Management of Containers and Tanks Accumulating Hazardous Waste in VOC Service 40CFR265Subpart CC		
Individual Unit Procedure	Function: Management		
	No.:		Page: 1 of 8
N-EVP/R	Reviewed:	Effective: 4/1/2009	Supersedes:
Preparer: Hazardous Waste Coordinator David Sheaves	Owner: Hazardous Waste Coordinator David Sheaves	Approver: See approval list at the end of the document.	

PROCEDURE CHANGES:

1. PURPOSE

To ensure that all hazardous waste accumulation storage areas with in the Joncryl Pilot Plant are managing containers of hazardous waste in compliance with the Federal Air Emissions Rules for Hazardous Wastes 40CFR265 Subparts CC.

2. DEFINITIONS

RCRA
The Resource Conservation and Recovery is the Federal Statute that provides Congress the authority to regulate Solid and Hazardous Waste in the United States.

40CFRSubpart CC
Federal Regulation requiring the management of air emissions from containers, tanks, surface impoundments and miscellaneous units which store hazardous waste either as a less than 90-day area or in a permitted unit. Wastes stored in these areas must have a volatile organic concentration greater than 500 ppm by weight.

Closure Device
Closure device means a cap, hatch, lid, plug, seal, valve, or other type of fitting that blocks an opening in a cover such that when the device is secured in the closed position it prevents or reduces air pollutant emissions to the atmosphere. Closure devices include devices that are detachable from the cover (e.g., a sampling port cap), manually operated (e.g., a hinged access lid or hatch), or automatically operated (e.g., a spring-loaded pressure relief valve).

Cover
Means a device that provides a continuous barrier over the hazardous waste managed in a unit to prevent or reduce air pollutant emissions to the atmosphere. A cover may have openings (such as access hatches, sampling ports, gauge wells) that are necessary for operation, inspection, maintenance, and repair of the unit on which the cover is used. A cover may be a separate piece of equipment which can be detached and removed from the unit or a cover may be formed by structural features permanently integrated into the design of the unit.

Equipment means each valve, pump, compressor, pressure relief device, sampling connection system, open-ended valve or line, or flange or other connector, and any control devices or systems required by this subpart.

First attempt at repair means to take rapid action for the purpose of stopping or reducing leakage of organic material to the atmosphere using best practices.

Malfunction means any sudden failure of a control device or a hazardous waste management unit or failure of a hazardous waste management unit to operate in a normal or usual manner, so that organic emissions are increased.

Open-ended valve or line means any valve, except pressure relief valves, having one side of the valve seat in contact with hazardous waste and one side open to the atmosphere, either directly or through open piping.

Point of waste origination

When the facility owner or operator is the generator of the hazardous waste, the point of waste origination means the point where a solid waste produced by a system, process, or waste management unit is determined to be a hazardous waste as defined in 40 CFR part 261.

Process vent

Any open-ended pipe or stack that is vented to the atmosphere either directly, through a vacuum-producing system, or through a tank (e.g., distillate receiver, condenser, bottoms receiver, surge control tank, separator tank, or hot well) associated with hazardous waste distillation, fractionation, thin-film evaporation, solvent extraction, or air or steam stripping operations.

Repaired means that equipment is adjusted, or otherwise altered, to eliminate a leak.

Vented means discharged through an opening, typically an open-ended pipe or stack, allowing the passage of a stream of liquids, gases, or fumes into the atmosphere. The passage of liquids, gases, or fumes is caused by mechanical means such as compressors or vacuum-producing systems or by process-related means such as evaporation produced by heating and not

caused by tank loading and unloading (working losses) or by natural means such as diurnal temperature changes.

Volatile organic concentration or VO concentration

The fraction by weight of the volatile organic compounds contained in a hazardous waste expressed in terms of parts per million (ppmw) as determined by direct measurement or by knowledge of the waste in accordance with the requirements of Sec. 265.1084 of this subpart. For the purpose of determining the VO concentration of a hazardous waste, organic compounds with a Henry's law constant value of at least 0.1 mole-fraction-in-the-gas-phase/mole-fraction-in the liquid-phase (0.1 Y/X) (which can also be expressed as $1.8x10^{-6}$ atmospheres/gram-mole/m\3\) at 25 degrees Celsius must be included. Appendix VI of this subpart presents a list of compounds known to have a Henry's law constant value less than the cutoff level.

3. SCOPE

Containers used to manage subject hazardous waste in less than 90-day accumulation storage areas and the following hazardous waste storage tanks: D-731, D-732 and the Research Pilot Plant Clean Out Tank.

4. PROCEDURE

4.1. Background Information

In 1996 USEPA finalized requirements for the management of air emissions from certain types of containers, processes and equipment managing hazardous wastes. These requirements were developed in order to minimize emissions from these units. The requirements for the inspection, monitoring and repair of these units are similar to those requirements listed in 40CFR63. These requirements are commonly referred to as Leak Detection and Repair Requirements or LDAR.

4.2 Waste Documentation

All waste determinations associated with the Joncryl Pilot Plant and Research Pilot Plant will include an assessment of Subpart CC applicability. All containers and waste generated by the Site will at one point enter a less than 90-day accumulation storage area for management prior to off-site shipment.

4.3 Inspection Procedure

All containers managing Subpart CC regulated hazardous waste must be inspected to ensure all closures are in place except when adding or removing waste.

The three hazardous waste storage tanks are all subject to Level 1 controls based on size, they are closed vessels and vapor pressure calculations. The worst case solvent used in the tank is acetone with a vapor pressure of 24.1 kPa.

4.4 Managing Containers in Level 1 Service

4.4.1 Adding and Removing Waste

When adding waste to a container in discrete quantities the container may remain open during the process and for no longer than 15 minutes after the operator has ceased the adding of waste.

When waste is added in a manner that completely fills the subject container in one discrete event, closures shall be put in place immediately upon cessation of the addition process.

4.5. Record Keeping Requirements

4.5.1. Records documenting inspections and repair of equipment will be maintained on Site for a minimum of five (5) years. This includes inspections of the less than ninety day accumulation storage areas, waste determinations and maintenance records.

5. Responsibility

5.1. Oversight of Program

5.1.1. Oversight and governance of the program is the responsibility of the MI-CAN Hub EHS Group.

5.1.2. Maintenance of equipment regulated by the SOP is the responsibility of the Joncryl Pilot Plant Operations Group.

5.1.3. Inspection of equipment regulated by the SOP is the responsibility of the Joncryl Pilot Plant Operations Group.

5.1.4. Monitoring shall be conducted either by an approved BASF vendor qualified to perform the specified monitoring or trained BASF personnel.

6. Related Documents

Requirements for Repair of Equipment in Air Emissions in Hazardous Waste Accumulation Storage Areas 40CFR Subpart BB

ES-2 Hazardous Waste Management

7. Personal Protective Equipment ("PPE")

7.1. Optional Lab Coat, Jump Suit, or Tyvek® Suit
7.2. Solvent Resistant or Rubber Gloves
7.3. Safety Glasses with Side-Shields or Goggles
7.4. Safety Shoes
7.5. Respirator
7.5.1. Optional air-purifying respirator with appropriate cartridges See Site Respirator program for specific needs, selection, and requirements.

8. Record Keeping Requirements

8.1. Records of Repair and Required Information
8.1.1. Location of all records of repair shall be maintained by the Joncryl Pilot Plant Operations Group.
8.1.2. Repair records shall include the following information
8.1.3. The identification on equipment, except on a valve, may be removed after it has been repaired.
8.1.4. The date the leak was detected and the dates of each attempt to repair the leak.
8.1.5. Repair methods applied in each attempt to repair the leak
8.1.6. The date of successful repair of the leak.

9. Frequency

9.1. Frequency of repair is dictated by the monitoring of the specified equipment.

10. Appendices

10.1. None

Approval Routing List

Group	Name	Title	Approval Signature	Date
NOS/U	David Sheaves	Environmental Team Leader	_____	_____
N-EVP/R	David Schatz	Manager	_____	_____

BASF
The Chemical Company

Safety Data Sheet
PLURACOL® 1200 POLYOL

1. Product and Company Identification

Company
BASF CORPORATION
100 Campus Drive
Florham Park, NJ 07932, USA

24 Hour Emergency Response Information
CHEMTREC: 1-800-424-9300
BASF HOTLINE: 1-800-832-HELP

Chemical family: polyol
Synonyms: Polyol

2. Hazards Identification

Emergency overview

CAUTION:
MAY CAUSE EYE, SKIN AND RESPIRATORY TRACT IRRITATION

State of matter: liquid
Colour: colourless, clear
Odour: of polyol

Potential health effects

Primary routes of exposure:
Routes of entry for solids and liquids include eye and skin contact, ingestion and inhalation. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquified gases.

Acute toxicity:
Ingestion may cause gastrointestinal disturbances.

Irritation / corrosion:
Irritating to respiratory system. Irritating to eyes and skin.

Assessment other acute effects:
Based on the available information there is no specific target organ toxicity to be expected after a single exposure.

Sensitization:
The chemical structure suggests a sensitizing effect.

Chronic toxicity:

Carcinogenicity: The chemical structure does not suggest a specific alert for such an effect.

Repeated dose toxicity: No known chronic effects.

Reproductive toxicity: The chemical structure does not suggest such an effect.

Teratogenicity: The chemical structure does not suggest such an effect.

Genotoxicity: The chemical structure does not suggest such an effect.

Medical conditions aggravated by overexposure:
Data available do not indicate that there are medical conditions that are generally recognized as being aggravated by exposure to this substance/product.

Signs and symptoms of overexposure:
No significant reaction of the human body to the product known
No hazards anticipated.

Potential environmental effects

Aquatic toxicity:
There is a high probability that the product is not acutely harmful to aquatic organisms.

Degradation / environmental fate:
Poorly biodegradable.

3. Composition / Information on Ingredients

CAS Number	Content (W/W)	Chemical name
	100.0 %	Polyol

4. First-Aid Measures

General advice:
Remove contaminated clothing

If inhaled:
Remove the affected individual into fresh air and keep the person calm. Assist in breathing if necessary Immediate medical attention required.

If on skin:
Wash affected areas thoroughly with soap and water. If irritation develops, seek medical attention.

If in eyes:
In case of contact with the eyes, rinse immediately for at least 15 minutes with plenty of water Immediate medical attention required.

If swallowed:
Rinse mouth and then drink plenty of water. Do not induce vomiting Never induce vomiting or give anything by mouth if the victim is unconscious or having convulsions. Immediate medical attention required.

Note to physician
Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

5. Fire-Fighting Measures

Flash point.	> 250 °F	(open cup)
Autoignition:	> 250 °C	

Self-ignition temperature: not self-igniting

Suitable extinguishing media:
water spray, dry powder, carbon dioxide, foam

Hazards during fire-fighting:

No particular hazards known

Protective equipment for fire-fighting:
Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.

6. Accidental release measures

Cleanup:
Spills should be contained, solidified, and placed in suitable containers for disposal.

7. Handling and Storage

Handling

Protection against fire and explosion:
No explosion proofing necessary.

Storage

General advice:
No special precautions necessary. Avoid extreme heat. Store protected against freezing.

Storage stability:
Storage temperature: 70 - 80 °F
Protect against moisture.

8. Exposure Controls and Personal Protection

Advice on system design:
Provide local exhaust ventilation to control vapours/mists.

Personal protective equipment

Respiratory protection:
Wear a NIOSH-certified (or equivalent) organic vapour/particulate respirator as needed.

Hand protection:
Chemical resistant protective gloves

Eye protection:
Wear face shield or tightly fitting safety goggles (chemical goggles) if splashing hazard exists.

General safety and hygiene measures:
Avoid contact with skin. Handle in accordance with good industrial hygiene and safety practice Wear protective clothing as necessary to prevent contact Avoid inhalation of vapours/mists Wash soiled clothing immediately.

9. Physical and Chemical Properties

Form:	liquid
Odour:	of polyol

Colour:	colourless, clear	
pH value:	6 - 9	
Density:	8 375 lb/USg	(25 °C)
Viscosity, dynamic:	180 mPa s	(25 °C)
Solubility in water:		slightly soluble

10. Stability and Reactivity

Conditions to avoid:
Temperature: < 0 degrees Celsius

Hazardous reactions:
The product is chemically stable.

Decomposition products:
Hazardous decomposition products: carbon monoxide, carbon dioxide

Thermal decomposition:
No data available.

Corrosion to metals:
No corrosive effect on metal.

Oxidizing properties:
not fire-propagating

11. Toxicological information

Irritation / corrosion

Information on: Polyol
Assessment of irritating effects:
Contact may result in skin irritation. Contact may result in eye irritation.

Aspiration Hazard:

No aspiration hazard expected

12. Ecological Information

Other adverse effects:

The product has not been tested Do not discharge product into the environment without control

13. Disposal considerations

Waste disposal of substance:
Incinerate in a licensed facility. Dispose of in a licensed facility. Do not discharge substance/product into sewer system.

Container disposal:
Steel drums must be emptied and can be sent to a licensed drum reconditioner for reuse, a scrap metal dealer or an approved landfill. Do not attempt to refill or clean containers since residue is difficult to remove. Under no

circumstances should empty drums be burned or cut open with gas or electric torch as toxic decomposition products may be liberated. Do not reuse empty containers

14. Transport Information

Reference Bill of Lading

15. Regulatory Information

Federal Regulations

Registration status:
Chemical TSCA, US released / listed

16. Other Information

HMIS III rating
Health: 1 Flammability: 0 Physical hazard: 0

NFPA and HMIS use a numbering scale ranging from 0 to 4 to indicate the degree of hazard A value of zero means that the substance possesses essentially no hazard, a rating of four indicates extreme danger Although similar, the two rating systems are intended for different purposes, and use different criteria The NFPA system was developed to provide an on-the-spot alert to the hazards of a material, and their severity, to emergency responders The HMIS system was designed to communicate workplace hazard information to employees who handle hazardous chemicals.

We support worldwide Responsible Care® initiatives. We value the health and safety of our employees, customers, suppliers and neighbors, and the protection of the environment Our commitment to Responsible Care is integral to conducting our business and operating our facilities in a safe and environmentally responsible fashion, supporting our customers and suppliers in ensuring the safe and environmentally sound handling of our products, and minimizing the impact of our operations on society and the environment during production, storage, transport, use and disposal of our products.

MSDS Prepared by:
BASF NA Product Regulations
msds@basf.com

MSDS Prepared on 2011/05/16

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END OF DATA SHEET

BASF
The Chemical Company

Safety Data Sheet
PLURACOL® 1570 POLYOL

1. Product and Company Identification

Company
BASF CORPORATION
100 Campus Drive
Florham Park, NJ 07932, USA

24 Hour Emergency Response Information
CHEMTREC: 1-800-424-9300
BASF HOTLINE: 1-800-832-HELP

Chemical family:	polyol
Synonyms:	Polyol

2. Hazards Identification

Emergency overview

CAUTION
MAY CAUSE EYE, SKIN AND RESPIRATORY TRACT IRRITATION.

State of matter: liquid
Colour: colourless, clear
Odour: of polyol

Potential health effects

Primary routes of exposure:
Routes of entry for solids and liquids include eye and skin contact, ingestion and inhalation. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquified gases.

Acute toxicity:
Ingestion may cause gastrointestinal disturbances.

Irritation / corrosion:
Irritating to respiratory system Irritating to eyes and skin.

Assessment other acute effects:
Based on the available information there is no specific target organ toxicity to be expected after a single exposure.

Sensitization:
The chemical structure suggests a sensitizing effect.

Chronic toxicity:

Carcinogenicity: The chemical structure does not suggest a specific alert for such an effect

Repeated dose toxicity: No known chronic effects.

Reproductive toxicity: The chemical structure does not suggest such an effect

Teratogenicity: The chemical structure does not suggest such an effect.

Genotoxicity: The chemical structure does not suggest such an effect

Medical conditions aggravated by overexposure:
Data available do not indicate that there are medical conditions that are generally recognized as being aggravated by exposure to this substance/product

Potential environmental effects

Aquatic toxicity:
There is a high probability that the product is not acutely harmful to aquatic organisms.

Degradation / environmental fate:
Poorly biodegradable.

3. Composition / Information on Ingredients

CAS Number	Content (W/W)	Chemical name
	100.0 %	Polyol

4. First-Aid Measures

General advice:
Remove contaminated clothing.

If inhaled:
Remove the affected individual into fresh air and keep the person calm. Assist in breathing if necessary. Immediate medical attention required.

If on skin:
Wash affected areas thoroughly with soap and water. If irritation develops, seek medical attention.

If in eyes:
In case of contact with the eyes, rinse immediately for at least 15 minutes with plenty of water. Immediate medical attention required.

If swallowed:
Rinse mouth and then drink plenty of water. Do not induce vomiting. Never induce vomiting or give anything by mouth if the victim is unconscious or having convulsions. Immediate medical attention required.

5. Fire-Fighting Measures

Flash point	> 140 °C	
Autoignition:	> 250 °C	
Self-ignition temperature:		not self-igniting

Suitable extinguishing media:
water spray, dry powder, carbon dioxide, foam

Hazards during fire-fighting:

No particular hazards known.

Protective equipment for fire-fighting:
Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.

6. Accidental release measures

Cleanup:
Spills should be contained, solidified, and placed in suitable containers for disposal.

7. Handling and Storage

Handling

Protection against fire and explosion:
No explosion proofing necessary.

Storage

General advice:
No special precautions necessary. Avoid extreme heat. Store protected against freezing

Storage stability:
Storage temperature. 70 - 120 °F
Protect against moisture.

8. Exposure Controls and Personal Protection

Advice on system design:
Provide local exhaust ventilation to control vapours/mists.

Personal protective equipment

Respiratory protection:
Wear a NIOSH-certified (or equivalent) organic vapour/particulate respirator as needed

Hand protection:
Chemical resistant protective gloves

Eye protection:
Wear face shield or tightly fitting safety goggles (chemical goggles) if splashing hazard exists.

General safety and hygiene measures:
Avoid contact with skin Handle in accordance with good industrial hygiene and safety practice. Wear protective clothing as necessary to prevent contact. Avoid inhalation of vapours/mists. Wash soiled clothing immediately.

9. Physical and Chemical Properties

Form:	liquid	
Odour:	of polyol	
Colour:	colourless, clear	
pH value	>= 7	
Vapour pressure:	< 10 mbar	(20 °C)
Density:	approx. 8.54 lb/USg	(25 °C)
Viscosity, dynamic:	770 mPa.s	(25 °C)
Solubility in water:		sparingly soluble

10. Stability and Reactivity

Hazardous reactions:
The product is chemically stable.

Decomposition products:
Hazardous decomposition products: carbon monoxide, carbon dioxide

Thermal decomposition:
No data available.

Corrosion to metals:
No corrosive effect on metal.

Oxidizing properties:
not fire-propagating

11. Toxicological information

Irritation / corrosion

Information on: Polyol
Assessment of irritating effects:
Contact may result in skin irritation. Contact may result in eye irritation.

Aspiration Hazard:

No aspiration hazard expected.

12. Ecological Information

Other adverse effects:

The product has not been tested. Do not discharge product into the environment without control.

13. Disposal considerations

Waste disposal of substance:
Incinerate in a licensed facility. Dispose of in a licensed facility. Do not discharge substance/product into sewer system.

Container disposal:
Steel drums must be emptied and can be sent to a licensed drum reconditioner for reuse, a scrap metal dealer or an approved landfill. Do not attempt to refill or clean containers since residue is difficult to remove. Under no circumstances should empty drums be burned or cut open with gas or electric torch as toxic decomposition products may be liberated. Do not reuse empty containers.

14. Transport Information

Land transport
USDOT

Not classified as a dangerous good under transport regulations

Sea transport
IMDG

Not classified as a dangerous good under transport regulations

Air transport
IATA/ICAO

Not classified as a dangerous good under transport regulations

15. Regulatory Information

Federal Regulations

Registration status:
Chemical TSCA, US released / listed

OSHA hazard category: Chronic target organ effects reported;

EPCRA 311/312 (Hazard categories): Chronic;

16. Other Information

HMIS III rating
Health: 1 Flammability: 0 Physical hazard: 0

NFPA and HMIS use a numbering scale ranging from 0 to 4 to indicate the degree of hazard A value of zero means that the substance possesses essentially no hazard, a rating of four indicates extreme danger Although similar, the two rating systems are intended for different purposes, and use different criteria The NFPA system was developed to provide an on-the-spot alert to the hazards of a material, and their severity, to emergency responders The HMIS system was designed to communicate workplace hazard information to employees who handle hazardous chemicals

We support worldwide Responsible Care® initiatives. We value the health and safety of our employees, customers, suppliers and neighbors, and the protection of the environment. Our commitment to Responsible Care is integral to conducting our business and operating our facilities in a safe and environmentally responsible fashion, supporting our customers and suppliers in ensuring the safe and environmentally sound handling of our products, and minimizing the impact of our operations on society and the environment during production, storage, transport, use and disposal of our products.

MSDS Prepared by:
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MSDS Prepared on: 2010/11/04

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END OF DATA SHEET

Polymers Complex

Process Description

History

The Polyols Plant is the oldest plant remaining on the Wyandotte site. Polyols have been manufactured on the Wyandotte site since the early 1950's, starting with a pilot plant and then expanding into the Polyol Plant. The various tanks and processes in the Polyol Plant have been constructed over a 43-year time period. At one time, there were more than 10 reactor train systems operating at the Wyandotte Site. Seven of the reactor trains were shut down during the 1970's and 1980's. There are currently 4 reactor train systems operating at the Polyol Plant:

(1) No. 7 Reactor system (started up in 1964) and mothballed in 2010;
(2) No. 8 Reactor system (started up in 1967);
(3) No. 9 Reactor system (re-commissioned in 1997); and,
(4) No. 10 Reactor system (started up in 1975)

In addition to the reactor trains, the Polyols Plant also includes numerous storage tanks and various emission control equipment, as follows: the water scrubber system (started up in 1995), the glycol reactor system (modified in 1989), and the thermal oxidizer (started up in 1983). Approximately 80 different polyol products are manufactured and they are primarily used by customers to make urethane-type foams in the automotive and housing industries.

The plant also operates a shipping terminal for methylene bis-phenyl diisocyanate (MDI) and toluene diisocyanate (TDI). Both products are shipped to the Wyandotte Site via rail car, transferred into storage tanks and then repackaged in tank wagons for shipment to regional customers.

Process Overview

Conventional polyols are produced in reactor train system Nos. 7, 8, and 9. Graft polyols are produced in reactor train system No. 10. These reactor systems are comprised of raw material storage tanks, blending vessels, reaction vessels, process vessels, and finished product storage tanks.

The Polyol Plant utilizes a two stage surface impoundment for the purposes of solids settling and pH adjustment. The impoundment has a nominal working capacity of 600,000 gallons. Residence time for the pond is process dependent but usually average ten to sixteen hours. The pond is fed through the Dirty Water Lift

system. This system employs an in plant lift station for process wastewaters and a second lift station for wastewater from the storm water sewers and EPO Plant. Plant process wastewater is subject to 40CFR414 Subpart K and through an annual BAT monitoring program compliance is assessed and verified. The Clean Water Lift transfers treated groundwater and non-contact cooling waters to impoundment weir box. At this point wastewaters are co-mingled and discharged to the Detroit River.

The reactor non-contact cooling system is designed to both heat and cool the reactors and other vessels where an exothermic reaction or solids introduction may occur. The system is designed to either remove excess heat from the system or maintain a specific reaction temperature range. Steam is blended with the supplied river water to specified temperature where dictated by the process chemistry. Steam is purchased from the City of Wyandotte. The annual ratio of steam used to river water used is approximately 0.005 lbs. steam to lbs. river water. This blend of steam and river water is then discharged through the plant hot well system. The hot well system is connected to the "Clean Water" system which subsequently conveys non-contact cooling water to the discharge weir.

The plant also generates a scrubber system process wastewater, which is subject to 40CFR414 Subpart K requirements. The wastewater generated by this system is discharged on a batch basis to the Wayne County POTW.

The name plate capacity 482 million pounds per year from the various operations. The plant operates 24 hours per day, 365 days per year.

Concepp Technologies

The Expanded Polyolefins Plant employs two separate reactor trains used to barometrically expand raw polypropylene beads. The primary raw materials are butane, polypropylene bead, nitric acid and various surfactants. The plant wastewater streams are comprised of non-contact cooling; process wastewater and bead wash water. Process wastewater generated by the plant is neutralized, subjected to a floccing agent, allowed time to settle out the solids formed and subsequently discharged to the Wayne County sewer system. The final bead wash removes any residual tricalcium phosphate that may remain after primary bead washes that are sent to the POTW. This final wash water is transferred to the Dirty Water Lift Station in the Polyol Plant. This lift station transfers wastewater to the plant surface impoundment for settling and pH adjustment. The plant maintains a nameplate capacity of approximately 12 million pounds. The plant operates 5 days per week on a 2- hour basis.

Discription of the Effluent Outfall 001

The discharge as described above is comprise of two systems which ultimately combine for discharge to the Detroit River via Outfall 001.

The Dirty Water system receives process waste water from Polyol Plant and Concepp Technologies. Effluent from the Polyol Plant consists of reactor and vessel washing activities associated with the #7, #8 and #9 Conventional Polyether Polyol manufacturing systems. Additionally, effluent is generated from cleaning activities at the truck and rail car loading and unloading racks for polyether polyols. These cleaning activities generally consist of washing small incidental spills of polyether polyol occurring during the loading and unloading of transport vehicles. These incidental spills are typically less than ten pounds.

The Dirty Water system also receives waste water from the plant trench system which is designed to accumulate, pavement washing, storm water and steam condensate. This effluent is gravity fed to the #2 Plant Lift Station (there is no #1 Plant this is a historical reference), this lift station conveys the effluent to the Dirty Water Lift Station where the effluent is lifted to the Polyol Plant Pond. The pond (surface impoundment) is designed for solids settling and pH control.

The effluent from Concepp Technologies is generated during the final product rinsing phase. This final wash may contain trace quantities of total phosphorous.

The Clean Water system is designed to convey non-contact cooling water, storm water and effluent from T-408 Scrubber Tower. The non-contact cooling water has been described above. T-408 is process vent counter current scrubber system for periodic process vessel venting. It is designed to remove ethylene oxide and propylene oxide vapor emissions.

The Polyol Plant is situated over several Corrective Action Areas of Concern associated with historical operating practices at the Wyandotte Site. The primary pollutants of concern are BTEX compounds and Polynuclear Aromatics. The storm water conveyances are subject to groundwater infiltration.

Abbott Healthcare Worldwide

Abbott Healthcare Worldwide is a third party manufacturer of pharmaceutically active ingredients located at the Wyandotte Site. The facility utilizes Detroit River water for non-contact cooling purposes. Storm water from secondary containment and loading and unloading areas is discharged to Outfall 002 after being evaluated for characteristics pollutants. Strom water from undeveloped areas and parking lots is also discharged through Outfall 002. Process wastewaters from this operation

are regulated under 40CFR439 Subcategory C and are discharged under an active Industrial Pretreatment Permit issued by the Wayne County Department of Environment Industrial Pretreatment Division.

The facility manufactures approximately 400 kilograms of the active levothyroxine agent. The plant operates 5 days per week on a 24-hour basis.

Thermoplastic Polyurethanes

The TPU Synthesis Plant (Thermoplastic Polyurethane) utilizes methylene bis phenyl diisocyanate and various polyester polyols to manufacture a raw TPU slab. This slab is diced and subsequently extruder to form a crystalline bead for sale to customers. The plant generates to sources of wastewater, non-contact cooling water that is discharged to the Detroit River via Outfall 002A and process waste generated by a scrubber system. The scrubber water is discharged to Wayne County POTW and is subject to 40CFR414 Subpart K requirements. Additionally storm water is generated by the plant surroundings and discharged through Outfall 002. The plant produces approximately 15 million pounds per year of product. The plant operates 24 hours a day, 365 days per year.

Engineered Plastics Compounding

The EPC Plant employs raw Nylon 6 and various additives and colorants to produce through high pressure and temperature extrusion a refined nylon resin used in various commercial products including the auto industry. The plant's nameplate capacity is 120,800 metric tons/year. The plant operates 24 hours a day, 365 days per year.

The plant generates both non-contact cooling water and process wastewater. Non-contact cooling water is discharged through Outfall 003A. Process wastewater is discharged to the Wayne County POTW and is subject to local discharge limits.

This operating unit also utilizes a recirculating cooling tower for the extruder lines housed in the EPC #3 unit. Blow down from the cooling is discharged to the Wayne County waste water treatment system.

Cellasto

The Cellasto Plant produces through a reaction injection molding process a urethane rubber part of various configurations primarily for the auto industry. The plant produces approximately 33 million parts/year. The plant operates 24 hours per day, 5 days per week.

The plant generates non-contact cooling water, storm water from surrounding area and storm water from secondary containment units, which is discharged to Outfall 003A.

Minor amounts of process wastewater are generated from equipment cleaning and floor washing. This wastewater is discharge to the Wayne County POTW and is subject to local limits.

Analytical Chemistry and Chemical Engineering, Small Scale Production Unit

The ACCE unit operates as a research and development pilot scale plant. The unit is capable through its flexible operating system to provide pilot scale experiments to the various business groups of the BASF Corporation. The unit also manufactures small batch campaigns of surfactants and heat transfer liquids (various glycol mixtures). Non-contact cooling water from the plant is discharged both to the Wayne County POTW and Outfall 003. Primarily process wastewater regulated under 40CFR414.70 and 80 are discharged to the Wayne County sewer system.

The plant will also house the Pilot Scale Operations and Semi-Works Plant for the Wyandotte Resins manufacturing plant being built at the Wyandotte North Works. Both operations will discharge non-contact cooling water and regulated storm through Outfall 003. All process wastewaters, which are regulated by 40CFR414.80, will be discharged to the Wayne County sewer system under IPP Permit # 11311 once the amended permit is received by BASF Corporation.

However, small amounts of process wastewaters are containerized and sent off-site for disposal when contaminant levels are such that pretreatment would not prove effective.

The plant is capable of producing approximately 5 million lbs/year of various specialty chemicals, such as polyether and polyester polyols, amino resins and recycling of n-methyl pyrrolidone. The plant operates on a 24 hour a day, 5 day per week schedule.

Wyandotte Resins (Wyandotte Resins)

The Wyandotte Resins Plant manufactures various acrylic resins and emulsion polymers based on acrylic resins chemistries. The normal operating schedule for the plant will be 24 hours per day, 365 days per year. The emulsion polymers name plant capacity will be 241 million lbs/year and the solid grade resin process will have a nameplate capacity of 142 million lbs/year. These two processes feed a third process referred to as Resin Cutting, which has a tentative nameplate capacity of 143 million lbs/year.

Raw material storage will be out of doors in a diked tank farm. All finished products will be stored in an indoor tank farm. Finished products will be loaded into tankers and drums in an area protected from the weather.

The plant discharges regulated storm water through Outfalls 002 and 003. Exposed areas of the operating unit where regulated discharge occurs are the following: the raw material tank farm, raw material truck and rail car unloading racks. Tank truck unloading is protected with an overhead awning and nominal containment. Rail car unloading is protected with an overhead awning. In addition all rail cars received by this operating unit are referred to as top unloading. This system significantly reduces the instances of releases associated with the unloading of rail cars. Unloading lines are cleared of raw materials through inert purges prior to disconnect.

All process wastewaters, which are regulated by 40CFR414.80, will be discharged to the Wayne County sewer system under IPP Permit # 11311 once the amended permit is received by BASF Corporation.

The plant employs a recirculating cooling tower for non-cooling water resource and all cooling tower blow down is discharged to the Wayne County waste water treatment system.

Research and Development and Product Applications Centers

The Wyandotte Site is the North American Center for Research and Development for BASF. R&D activities are centered on urethane technologies, specialty chemicals and coatings technologies. Additionally the Wyandotte Site houses product applications laboratories for the polyurethane business, coatings and plastics applications. These facilities operate during normal business hours.

Description of the Effluent for Outfalls 002 and 003:

The effluent discharged through outfalls 002 and 003 contains, regulated storm water, non-contact cooling water, groundwater seepage and storm water from secondary containment structures. Outfall 002 also receives back flush from the Kinney Strainer system for the river water intake.

Both outfalls also receive water from the testing of Fire Suppression systems located in the manufacturing units. These systems consist of both high pressure and low pressure hydrants and monitors. The waters generated from the testing of the systems is limited to only those monitors and suppression systems associated with outdoor activities. All indoor system testing is conveyed to the Wayne County waste water treatment system.

SITE	Regulation	Area	Sub Area	Tag #	Equipment	Type	Description	Size	Frequency	Chem State	EX Reason	DM Reason	UM Reason
BASF Wyandotte	RCRA BB	JPP	HW Tanks	1053-E-01	Connector	Connector-Uncategori	FLG AT FLEX JOINT P-1053 DISCH 1ST FLR SGO	3	Yearly-10	Heavy Liquid		Insulation	
BASF Wyandotte	RCRA BB	JPP	HW Tanks	1053-E-01 1	Connector	Connector-Uncategori	FLG AT FLEX JOINT P-1053 DISCH 1ST FLR SGO	3	Yearly-10	Heavy Liquid		Insulation	
BASF Wyandotte	RCRA BB	JPP	HW Tanks	1053-E-02	Connector	Connector-Uncategori	FLG AT FLEX JOINT P-1053 SUCT 1ST FLR SGO	3	Yearly-10	Heavy Liquid		Insulation	
BASF Wyandotte	RCRA BB	JPP	HW Tanks	1053-E-02 1	Connector	Connector-Uncategori	FLG AT FLEX JOINT P-1053 SUCT 1ST FLR SGO	3	Yearly-10	Heavy Liquid		Insulation	
BASF Wyandotte	RCRA BB	JPP	HW Tanks	1053-V-01	Valve	Check Valve	CHK VLV FR CLEAN SOLN ABV D-1053 1ST FLR SGO	2	Never	Heavy Liquid			Unsafe location to monitor
BASF Wyandotte	RCRA BB	JPP	HW Tanks	1053-V-19	Valve	Valve-Uncategorized	BALL VLV TO P-1053 NW SDE D-1053 1ST FLR SGO	3	Quarterly-1	Heavy Liquid			
BASF Wyandotte	RCRA BB	JPP	HW Tanks	1053-V-19 1	Connector	Connector-Uncategori	VEFS TO P-1053 NW SDE D-1053 1ST FLR SGO	3	Yearly-10	Heavy Liquid		Insulation	
BASF Wyandotte	RCRA BB	JPP	HW Tanks	1053-V-19 2	Connector	Connector-Uncategori	VEFN TO P-1053 NW SDE D-1053 1ST FLR SGO	3	Yearly-10	Heavy Liquid		Insulation	
BASF Wyandotte	RCRA BB	JPP	HW Tanks	1053-V-20	Valve	Valve-Uncategorized	DRN VLV SUCT SDE P1053 N OF D-1053 1ST FLR SGO	0 75	Quarterly-1	Heavy Liquid			
BASF Wyandotte	RCRA BB	JPP	HW Tanks	1053-V-20 1	Connector	POEL	PLUG SUCT SDE P1053 N OF D-1053 1ST FLR SGO	0 75	Yearly-10	Heavy Liquid		Insulation	
BASF Wyandotte	RCRA BB	JPP	HW Tanks	1053-V-24	Valve	Valve-Uncategorized	DRN VLV P-1053 DISCH N OF D-1053 1ST FLR SGO	0 75	Quarterly-1	Heavy Liquid			
BASF Wyandotte	RCRA BB	JPP	HW Tanks	1053-V-24 1	Connector	POEL	PLUG P-1053 DISCH N OF D-1053 1ST FLR SGO	0 75	Yearly-10	Heavy Liquid		Insulation	
BASF Wyandotte	RCRA BB	JPP	HW Tanks	1053-V-27	Valve	Check Valve	CHK VLV FR WFE-1103 ABV D-1053 1ST FLR SGO	2	Never	Heavy Liquid			Unsafe location to monitor
BASF Wyandotte	RCRA BB	JPP	HW Tanks	1053-V-28	Valve	Check Valve	CHK VLV FR WFE-1203 ABV D-1053 1ST FLR SGO	2	Never	Heavy Liquid			Unsafe location to monitor
BASF Wyandotte	RCRA BB	JPP	HW Tanks	1054-E-01	Connector	Connector-Uncategori	FLG AT FLEX JOINT P-1054 SUCT 1ST FLR SGO	3	Yearly-10	Heavy Liquid		Insulation	
BASF Wyandotte	RCRA BB	JPP	HW Tanks	1054-E-01 1	Connector	Connector-Uncategori	FLG AT FLEX JOINT P-1054 SUCT 1ST FLR SGO	3	Yearly-10	Heavy Liquid		Insulation	
BASF Wyandotte	RCRA BB	JPP	HW Tanks	1054-E-02	Connector	Connector-Uncategori	FLG AT FLEX JOINT P-1054 DISCH 1ST FLR SGO	3	Yearly-10	Heavy Liquid		Insulation	
BASF Wyandotte	RCRA BB	JPP	HW Tanks	1054-E-02 1	Connector	Connector-Uncategori	FLG AT FLEX JOINT P-1054 DISCH 1ST FLR SGO	3	Yearly-10	Heavy Liquid		Insulation	
BASF Wyandotte	RCRA BB	JPP	HW Tanks	1054-V-01	Valve	Check Valve	CHK VLV FR P-1063 ABV D-1054 1ST FLR SGO	2	Never	Vapor			Unsafe location to monitor
BASF Wyandotte	RCRA BB	JPP	HW Tanks	1054-V-02	Valve	Check Valve	CHK VLV FR P-0008 ABV D-1054 1ST FLR SGO	2	Never	Vapor			Unsafe location to monitor
BASF Wyandotte	RCRA BB	JPP	HW Tanks	1054-V-16	Valve	Valve-Uncategorized	BALL VLV TO P-1054 NE SDE OF D-1054 1ST FLR SGO	3	Quarterly-1	Heavy Liquid			
BASF Wyandotte	RCRA BB	JPP	HW Tanks	1054-V-16 1	Connector	Connector-Uncategori	VEFW TO P-1054 NE SDE OF D-1054 1ST FLR SGO	3	Yearly-10	Heavy Liquid		Insulation	
BASF Wyandotte	RCRA BB	JPP	HW Tanks	1054-V-16 2	Connector	Connector-Uncategori	VEFE TO P-1054 NE SDE OF D-1054 1ST FLR SGO	3	Yearly-10	Heavy Liquid		Insulation	
BASF Wyandotte	RCRA BB	JPP	HW Tanks	1054-V-17	Valve	Valve-Uncategorized	DRN VLV P-1054 SUCT N OF D-1054 1ST FLR SGO	0 75	Quarterly-1	Heavy Liquid			
BASF Wyandotte	RCRA BB	JPP	HW Tanks	1054-V-17 1	Connector	POEL	PLUG P-1054 SUCT N OF D-1054 1ST FLR SGO	0 75	Yearly-10	Heavy Liquid		Insulation	
BASF Wyandotte	RCRA BB	JPP	HW Tanks	1054-V-21	Valve	Valve-Uncategorized	DRN VLV P-1054 DISCH N OF D-1054 1ST FLR SGO	0 75	Quarterly-1	Heavy Liquid			
BASF Wyandotte	RCRA BB	JPP	HW Tanks	1054-V-21 1	Connector	POEL	PLUG P-1054 DISCH N OF D-1054 1ST FLR SGO	0 75	Yearly-10	Heavy Liquid		Insulation	
BASF Wyandotte	RCRA BB	JPP	HW Tanks	1054-V-26	Valve	Valve-Uncategorized	BALL VLV AT PE-1054-001 W SDE OF 1054 1ST FLR SGO	0 75	Quarterly-1	Vapor			
BASF Wyandotte	RCRA BB	JPP	HW Tanks	1054-V-26 1	Connector	Connector-Uncategori	REDUCER AT PE-1054-001 W SDE OF 1054 1ST FLR SGO	0 75	Yearly-10	Vapor			
BASF Wyandotte	RCRA BB	JPP	HW Tanks	1054-V-26 2	Valve	Valve-Uncategorized	NEDL VLV AT PE-1054-001 W SDE OF 1054 1ST FLR SGO	0 5	Quarterly-1	Vapor			
BASF Wyandotte	RCRA BB	JPP	HW Tanks	1058-V-09	Valve	Valve-Uncategorized	BALL VLV IN PR 9 NE OF D-1081 20 HIGH 1ST FLR SGO	2	Never	Vapor			Unsafe
BASF Wyandotte	RCRA BB	JPP	HW Tanks	1058-V-09 1	Connector	Connector-Uncategori	VEFW IN PR 9 NE OF D-1081 20 HIGH 1ST FLR SGO	2	Yearly-10	Vapor			
BASF Wyandotte	RCRA BB	JPP	HW Tanks	1058-V-09 2	Connector	Connector-Uncategori	VEFE IN PR 9 NE OF D-1081 20 HIGH 1ST FLR SGO	2	Yearly-10	Vapor			
BASF Wyandotte	RCRA BB	JPP	HW Tanks	1058-V-09 3	Connector	Connector-Uncategori	BF IN PR 10 NE OF D-1081 20 HIGH 1ST FLR SGO	4	Yearly-10	Vapor			
BASF Wyandotte	RCRA BB	JPP	HW Tanks	1058-V-12	Valve	Valve-Uncategorized	BALL VLV IN PR 20 HIGH 5 W OF D-1054 1ST FLR SGO	2	Never	Vapor			Unsafe
BASF Wyandotte	RCRA BB	JPP	HW Tanks	1058-V-13	Valve	Valve-Uncategorized	BALL VLV IN PR 20 HIGH 5 W OF D-1054 1ST FLR SGO	2	Never	Vapor			Unsafe
BASF Wyandotte	RCRA BB	JPP	HW Tanks	1081-C-02	Connector	POEL	CAP AT TT LOAD N SDE OF BLDG OUTSIDE SGO	2	Yearly-10	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	HW Tanks	1081-E-01	Connector	Connector-Uncategori	WEST FLG AT FLEX JOINT P-1081 SUCT 1ST FLR SGO	2	Yearly-10	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	HW Tanks	1081-E-01 1	Connector	Connector-Uncategori	EAST FLG AT FLEX JOINT P-1081 SUCT 1ST FLR SGO	2	Yearly-10	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	HW Tanks	1081-E-02	Connector	Connector-Uncategori	WEST FLG AT FLEX JOINT P-1081 DISCH 1ST FLR SGO	2	Yearly-10	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	HW Tanks	1081-E-02 1	Connector	Connector-Uncategori	EAST FLG AT FLEX JOINT P-1081 DISCH 1ST FLR SGO	2	Yearly-10	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	HW Tanks	1081-V-04	Valve	Valve-Uncategorized	VLV FOR SHORT STOP TOP W SD D-1081 1ST FLR SGO	1	Quarterly-1	Vapor			
BASF Wyandotte	RCRA BB	JPP	HW Tanks	1081-V-04A	Valve	Valve-Uncategorized	BALL VLV RESTAB LINE 10 SE OF D-1081 1ST FLR SGO	0 75	Quarterly-1	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	HW Tanks	1081-V-04A 1	Connector	POEL	CAP STAB LINE 10 SE OF D-1081 1ST FLR SGO	0 75	Yearly-10	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	HW Tanks	1081-V-05	Valve	Valve-Uncategorized	BALL VLV AT PI-1081-001 TOP NE SDE D-1081 1ST FLR SGO	0 75	Quarterly-1	Vapor			
BASF Wyandotte	RCRA BB	JPP	HW Tanks	1081-V-05 1	Connector	Connector-Uncategori	REDUCER AT PI-1081-001 TOP NE SDE D-1081 1ST FLR SGO	0 75	Yearly-10	Vapor			
BASF Wyandotte	RCRA BB	JPP	HW Tanks	1081-V-05 2	Valve	Valve-Uncategorized	NEDL VLV AT PI-1081-001 TOP NE SDE D-1081 1ST FLR SGO	0 5	Quarterly-1	Vapor			
BASF Wyandotte	RCRA BB	JPP	HW Tanks	1081-V-06	Valve	Valve-Uncategorized	BALL VLV AT PT-1081-004 ABV NE SDE D-1081 1ST FLR SGO	0 5	Quarterly-1	Vapor			
BASF Wyandotte	RCRA BB	JPP	HW Tanks	1081-V-06 1	Valve	Valve-Uncategorized	NEDL VLV AT PT-1081-004 ABV NE SDE D-1081 1ST FLR SGO	0 5	Quarterly-1	Vapor			
BASF Wyandotte	RCRA BB	JPP	HW Tanks	1081-V-09	Valve	Valve-Uncategorized	BALL VLV AT 1081-V-09 TOP NE SDE D-1082 1ST FLR SGO	0 75	Quarterly-1	Vapor			
BASF Wyandotte	RCRA BB	JPP	HW Tanks	1081-V-09 1	Connector	Connector-Uncategori	REDUCER AT PI-1081-002 TOP NE SDE D-1082 1ST FLR SGO	0 75	Yearly-10	Vapor			
BASF Wyandotte	RCRA BB	JPP	HW Tanks	1081-V-09 2	Valve	Valve-Uncategorized	NEDL VLV AT PI-1081-002 TOP NE SDE D-1082 1ST FLR SGO	0 5	Quarterly-1	Vapor			
BASF Wyandotte	RCRA BB	JPP	HW Tanks	1081-V-10	Valve	Valve-Uncategorized	BALL VLV AT PT-1081-005 ABV SE SDE D-1082 1ST FLR SGO	0 5	Quarterly-1	Vapor			
BASF Wyandotte	RCRA BB	JPP	HW Tanks	1081-V-10 1	Valve	Valve-Uncategorized	NEDL VLV AT PT-1081-005 ABV SE SDE D-1082 1ST FLR SGO	0 5	Quarterly-1	Vapor			
BASF Wyandotte	RCRA BB	JPP	HW Tanks	1081-V-13	Valve	Valve-Uncategorized	BALL VLV SHORT STOP LN TOP SW SDE D-1082 1ST FLR SGO	1	Quarterly-1	Vapor			
BASF Wyandotte	RCRA BB	JPP	HW Tanks	1081-V-13A	Valve	Valve-Uncategorized	BALL VLV RESTAB LINE 10 SE OF D-1081 1ST FLR SGO	0 75	Quarterly-1	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	HW Tanks	1081-V-13A 1	Connector	POEL	CAP STAB LINE 10 SE OF D-1081 1ST FLR SGO	0 75	Yearly-10	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	HW Tanks	1081-V-14	Valve	Valve-Uncategorized	DRN VLV BTM OF D-1081 1ST FLR SGO	0 75	Quarterly-1	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	HW Tanks	1081-V-14 1	Connector	POEL	PLUG AT DRN VLV BTM OF D-1081 1ST FLR SGO	0 75	Yearly-10	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	HW Tanks	1081-V-15	Valve	Valve-Uncategorized	DRN VLV BTM OF D-1082 1ST FLR SGO	0 75	Quarterly-1	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	HW Tanks	1081-V-15 1	Connector	POEL	PLUG AT DRN VLV BTM OF D-1082 1ST FLR SGO	0 75	Yearly-10	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	HW Tanks	1081-V-16	Valve	Valve-Uncategorized	VLV P-1081 SUCT S OF D-1081 1ST FLR SGO	2	Quarterly-1	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	HW Tanks	1081-V-16 1	Connector	Connector-Uncategori	VEFW P-1081 SUCT S OF D-1081 1ST FLR SGO	2	Yearly-10	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	HW Tanks	1081-V-16 2	Connector	Connector-Uncategori	VEFE P-1081 SUCT S OF D-1081 1ST FLR SGO	2	Yearly-10	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	HW Tanks	1081-V-17	Valve	Valve-Uncategorized	DRN VLV P-1081 SUCT S OF D-1081 1ST FLR SGO	0 75	Quarterly-1	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	HW Tanks	1081-V-17 1	Connector	POEL	CAP P-1081 SUCT S OF D-1081 1ST FLR SGO	0 75	Yearly-10	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	HW Tanks	1081-V-20	Valve	Valve-Uncategorized	DRN VLV P-1081 DISCH S OF D-1081 1ST FLR SGO	0 75	Quarterly-1	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	HW Tanks	1081-V-20 1	Connector	POEL	PLUG P-1081 DISCH S OF D-1081 1ST FLR SGO	0 75	Yearly-10	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	HW Tanks	1081-V-21	Valve	Valve-Uncategorized	BALL VLV AT PI-1081-003 P-1081 DISCH 1ST FLR SGO	0 75	Quarterly-1	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	HW Tanks	1081-V-21 1	Connector	Connector-Uncategori	90 AT PI-1081-003 P-1081 DISCH 1ST FLR SGO	0 75	Yearly-10	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	HW Tanks	1081-V-21 2	Connector	Connector-Uncategori	REDUCER AT PI-1081-003 P-1081 DISCH 1ST FLR SGO	0 75	Yearly-10	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	HW Tanks	1081-V-21 3	Valve	Valve-Uncategorized	NEDL VLV AT PI-1081-003 P-1081 DISCH 1ST FLR SGO	0 5	Quarterly-1	Light Liquid			

SITE	Regulation	Area	Sub Area	Tag #	Equipment	Type	Description	Size	Frequency	Chem State	EX Reason	DM Reason	UM Reason
BASF Wyandotte	RCRA BB	JPP	HW Tanks	1081-V-22	Valve	Valve-Uncategorized	VLV P-1081 DISCH S OF D-1081 1ST FLR SGO	2	Quarterly-1	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	HW Tanks	1081-V-22 1	Connector	Connector-Uncategori	FLG P-1081 DISCH S OF D-1081 1ST FLR SGO	2	Yearly-10	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	HW Tanks	1135-C-02	Connector	POEL	CAP AT TT UNLOAD N SDE OF BLDG OUTSIDE SGO	2	Yearly-10	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	HW Tanks	1135-V-07	Valve	Valve-Uncategorized	BALL VLV 7 E OF D-1081 12 HIGH 1ST FLR SGO	2	Quarterly-1	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	HW Tanks	1135-V-08	Valve	Valve-Uncategorized	VLV AT TT UNLOAD N SDE OF BLDG OUTSIDE SGO	2	Quarterly-1	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	HW Tanks	1135-V-11	Valve	Valve-Uncategorized	CHK VLV 5 NE OF D-1081 12 HIGH 1ST FLR SGO	1	Quarterly-1	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	HW Tanks	1135-V-12	Valve	Valve-Uncategorized	CHK VLV AT TT UNLOAD N SDE OF BLDG OUTSIDE SGO	1	Quarterly-1	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	HW Tanks	A-1053	Agitator	Agitator Seal	AGI SEAL TOP OF D-1053 1ST FLR SGO	0	Never	Vapor			Unsafe location to monitor
BASF Wyandotte	RCRA BB	JPP	HW Tanks	A-1054	Agitator	Agitator Seal	AGI SEAL TOP CENTER D-1054 1ST FLR SGO	0	Never	Vapor			Unsafe location to monitor
BASF Wyandotte	RCRA BB	JPP	HW Tanks	A-1081	Agitator	Agitator Seal	AGI SEAL TOP CENTER D-1081 1ST FLR SGO	0	Monthly	Vapor			
BASF Wyandotte	*RCRA BB*	*JPP*	*HW Tanks*	*A-1082*	*Agitator*	*Agitator Seal*	*AGI SEAL TOP CENTER D-1082 1ST FLR SGO*	*0*	*Monthly*	*Vapor*			
BASF Wyandotte	RCRA BB	JPP	HW Tanks	D-1053-A1	Connector	Connector-Uncategori	FLG BLW AGITATOR TOP OF D-1053 1ST FLR SGO	8	Never	Vapor			Unsafe location to monitor
BASF Wyandotte	RCRA BB	JPP	HW Tanks	D-1053-E1	Connector	Connector-Uncategori	FLG TO P-1053 BTM OF D-1053 1ST FLR SGO	3	Yearly-10	Heavy Liquid		Insulation	
BASF Wyandotte	RCRA BB	JPP	HW Tanks	D-1053-E2	Connector	Connector-Uncategori	FLG TO P-1053 NW SDE D-1053 1ST FLR SGO	3	Yearly-10	Heavy Liquid		Insulation	
BASF Wyandotte	RCRA BB	JPP	HW Tanks	D-1053-EV1	Connector	Connector-Uncategori	FLG BLW RUP DISC TOP OF D-1053 1ST FLR SGO	8	Never	Vapor			Unsafe location to monitor
BASF Wyandotte	RCRA BB	JPP	HW Tanks	D-1053-F1	Connector	Connector-Uncategori	FLG FR P-1103 TOP OF D-1053 1ST FLR SGO	2	Never	Vapor			Unsafe location to monitor
BASF Wyandotte	RCRA BB	JPP	HW Tanks	D-1053-F2	Connector	Connector-Uncategori	FLG FR P-1203 TOP OF D-1053 1ST FLR SGO	2	Never	Vapor			Unsafe location to monitor
BASF Wyandotte	RCRA BB	JPP	HW Tanks	D-1053-F3	Connector	Connector-Uncategori	FLG FR R-1102/1202 TOP OF D-1053 1ST FLR SGO	2	Never	Vapor			Unsafe location to monitor
BASF Wyandotte	RCRA BB	JPP	HW Tanks	D-1053-F4	Connector	Connector-Uncategori	FLG FROM CLEAN SOLN/CARBITOL TOP OF D-1053 1ST FLR SGO	2	Never	Vapor			Unsafe location to monitor
BASF Wyandotte	RCRA BB	JPP	HW Tanks	D-1053-F5	Connector	Connector-Uncategori	FLG FR D-1161/71/81 TOP OF D-1053 1ST FLR SGO	2	Never	Vapor			Unsafe location to monitor
BASF Wyandotte	RCRA BB	JPP	HW Tanks	D-1053-F6	Connector	Connector-Uncategori	FLG FR WFE-1103/1203 TOP OF D-1053 1ST FLR SGO	2	Never	Vapor			Unsafe location to monitor
BASF Wyandotte	RCRA BB	JPP	HW Tanks	D-1053-G1	Connector	Connector-Uncategori	BF TOP W SDE OF D-1053 1ST FLR SGO	4	Never	Vapor			Unsafe location to monitor
BASF Wyandotte	RCRA BB	JPP	HW Tanks	D-1053-L1	Connector	Connector-Uncategori	FLG AT LS-1053-001 TOP OF D-1053 1ST FLR SGO	2	Never	Vapor			Unsafe location to monitor
BASF Wyandotte	RCRA BB	JPP	HW Tanks	D-1053-L2	Connector	Connector-Uncategori	FLG AT LI-1053-002 TOP OF D-1053 1ST FLR SGO	3	Never	Vapor			Unsafe location to monitor
BASF Wyandotte	RCRA BB	JPP	HW Tanks	D-1053-MH1	Connector	Connector-Uncategori	MANWAY TOP OF D-1053 1ST FLR SGO	24	Never	Vapor			Unsafe location to monitor
BASF Wyandotte	RCRA BB	JPP	HW Tanks	D-1053-MH2	Connector	Connector-Uncategori	MANWAY ON E SDE OF D-1053 1ST FLR SGO	24	Yearly-10	Vapor			
BASF Wyandotte	RCRA BB	JPP	HW Tanks	D-1053-N1	Connector	Connector-Uncategori	FLG FR N2 TOP OF D-1053 1ST FLR SGO	1	Never	Vapor			Unsafe location to monitor
BASF Wyandotte	RCRA BB	JPP	HW Tanks	D-1053-P1	Connector	Connector-Uncategori	FLG AT PE-1053-001 E SDE OF D-1053 1ST FLR SGO	2	Yearly-10	Vapor			
BASF Wyandotte	RCRA BB	JPP	HW Tanks	D-1053-P1 1	Valve	Valve-Uncategorized	BALL VLV AT PE-1053-001 E SDE OF D-1053 1ST FLR SGO	0 75	Quarterly-1	Vapor			
BASF Wyandotte	RCRA BB	JPP	HW Tanks	D-1053-P1 2	Connector	Connector-Uncategori	REDUCER AT PE-1053-001 E SDE OF D-1053 1ST FLR SGO	0 75	Yearly-10	Vapor			
BASF Wyandotte	RCRA BB	JPP	HW Tanks	D-1053-P1 3	Valve	Valve-Uncategorized	NEDL VLV AT PE-1053-001 E SDE OF D-1053 1ST FLR SGO	0 5	Quarterly-1	Vapor			
BASF Wyandotte	RCRA BB	JPP	HW Tanks	D-1053-R1	Connector	Connector-Uncategori	FLG FR RECYCLE LINE TOP OF D-1053 1ST FLR SGO	2	Never	Vapor			Unsafe location to monitor
BASF Wyandotte	RCRA BB	JPP	HW Tanks	D-1053-T1	Connector	Connector-Uncategori	FLG AT TE-1053-001 NE SDE OF D-1053 1ST FLR SGO	2	Yearly-10	Vapor			
BASF Wyandotte	RCRA BB	JPP	HW Tanks	D-1053-T2	Connector	Connector-Uncategori	FLG AT TI-1053-002 BTM OF D-1053 1ST FLR SGO	2	Yearly-10	Heavy Liquid			
BASF Wyandotte	RCRA BB	JPP	HW Tanks	D-1053-V1	Connector	Connector-Uncategori	FLG TO E-1053 TOP OF D-1053 1ST FLR SGO	2	Never	Vapor			Unsafe location to monitor
BASF Wyandotte	RCRA BB	JPP	HW Tanks	D-1053-Z1	Connector	Connector-Uncategori	BF TOP W SDE OF D-1053 1ST FLR SGO	6	Never	Vapor			Unsafe location to monitor
BASF Wyandotte	RCRA BB	JPP	HW Tanks	D-1054-A1	Connector	Connector-Uncategori	FLG BLW AGI TOP CENTER D-1054 1ST FLR SGO	8	Never	Vapor			Unsafe location to monitor
BASF Wyandotte	RCRA BB	JPP	HW Tanks	D-1054-E1	Connector	Connector-Uncategori	FLG TO P-1054 BTM OF D-1054 1ST FLR SGO	3	Yearly-10	Heavy Liquid		Insulation	
BASF Wyandotte	RCRA BB	JPP	HW Tanks	D-1054-E2	Connector	Connector-Uncategori	FLG TO P-1054 NE SDE OF D-1054 1ST FLR SGO	3	Yearly-10	Heavy Liquid		Insulation	
BASF Wyandotte	RCRA BB	JPP	HW Tanks	D-1054-EV1	Connector	Connector-Uncategori	FLG BLW RUP DISC TOP OF D-1054 1ST FLR SGO	8	Never	Vapor			Unsafe location to monitor
BASF Wyandotte	RCRA BB	JPP	HW Tanks	D-1054-F1	Connector	Connector-Uncategori	FLG FR PSE-1303-002 TOP OF D-1054 1ST FLR SGO	2	Never	Vapor			Unsafe location to monitor
BASF Wyandotte	RCRA BB	JPP	HW Tanks	D-1054-F2	Connector	Connector-Uncategori	FLG FR E-1203 TOP OF D-1054 1ST FLR SGO	2	Never	Vapor			Unsafe location to monitor
BASF Wyandotte	RCRA BB	JPP	HW Tanks	D-1054-F3	Connector	Connector-Uncategori	FLG FR R-1302 TOP OF D-1054 1ST FLR SGO	2	Never	Vapor			Unsafe location to monitor
BASF Wyandotte	RCRA BB	JPP	HW Tanks	D-1054-F4	Connector	Connector-Uncategori	FLG FR E-1303/P-1303 TOP OF D-1054 1ST FLR SGO	1 5	Never	Vapor			Unsafe location to monitor
BASF Wyandotte	RCRA BB	JPP	HW Tanks	D-1054-G1	Connector	Connector-Uncategori	BF TOP OF D-1054 1ST FLR SGO	6	Never	Vapor			Unsafe location to monitor
BASF Wyandotte	RCRA BB	JPP	HW Tanks	D-1054-HH	Connector	Connector-Uncategori	MANWAY TOP OF D-1054 1ST FLR SGO	24	Never	Vapor			Unsafe location to monitor
BASF Wyandotte	RCRA BB	JPP	HW Tanks	D-1054-HH 1	Connector	Connector-Uncategori	BF ON MANWAY TOP OF D-1054 1ST FLR SGO	4	Never	Vapor			Unsafe location to monitor
BASF Wyandotte	RCRA BB	JPP	HW Tanks	D-1054-L1	Connector	Connector-Uncategori	FLG AT LS-1054-001 TOP OF D-1054 1ST FLR SGO	2	Never	Vapor			Unsafe location to monitor
BASF Wyandotte	RCRA BB	JPP	HW Tanks	D-1054-L2	Connector	Connector-Uncategori	FLG AT FR N2 TOP OF D-1054 1ST FLR SGO	4	Never	Vapor			Unsafe location to monitor
BASF Wyandotte	RCRA BB	JPP	HW Tanks	D-1054-MH1	Connector	Connector-Uncategori	MANWAY W SDE OF 1054 1ST FLR SGO	24	Yearly-10	Vapor			
BASF Wyandotte	RCRA BB	JPP	HW Tanks	D-1054-N1	Connector	Connector-Uncategori	FLG FR N2 TOP OF D-1054 1ST FLR SGO	2	Never	Vapor			Unsafe location to monitor
BASF Wyandotte	RCRA BB	JPP	HW Tanks	D-1054-P1	Connector	Connector-Uncategori	FLG AT PE-1054-001 W SDE OF 1054 1ST FLR SGO	2	Yearly-10	Vapor			
BASF Wyandotte	RCRA BB	JPP	HW Tanks	D-1054-R1	Connector	Connector-Uncategori	FLG FR RECYCLE LINE TOP OF D-1054 1ST FLR SGO	2	Never	Vapor			Unsafe location to monitor
BASF Wyandotte	RCRA BB	JPP	HW Tanks	D-1054-T1	Connector	Connector-Uncategori	FLG AT TE-1054-001 W SDE OF 1054 1ST FLR SGO	2	Yearly-10	Vapor			
BASF Wyandotte	RCRA BB	JPP	HW Tanks	D-1054-T2	Connector	Connector-Uncategori	FLG AT TI-1054-002 BTM OF D-1054 1ST FLR SGO	2	Yearly-10	Heavy Liquid		Insulation	
BASF Wyandotte	RCRA BB	JPP	HW Tanks	D-1054-V1	Connector	Connector-Uncategori	FLG TO E-1054 TOP OF D-1054 1ST FLR SGO	2	Never	Vapor			Unsafe location to monitor
BASF Wyandotte	RCRA BB	JPP	HW Tanks	D-1054-Z1	Connector	Connector-Uncategori	BF ON TOP OF D-1054 1ST FLR SGO	2	Never	Vapor			Unsafe location to monitor
BASF Wyandotte	RCRA BB	JPP	HW Tanks	D-1058-F1	Connector	Connector-Uncategori	FLG ON W SDE OF D-1058 6 HIGH OUTSIDE S SDE SGO BLDG	8	Yearly-10	Vapor			
BASF Wyandotte	RCRA BB	JPP	HW Tanks	D-1081-A1	Connector	Connector-Uncategori	FLG BLW AGI TOP CENTER D-1081 1ST FLR SGO	8	Yearly-10	Vapor			
BASF Wyandotte	RCRA BB	JPP	HW Tanks	D-1081-D1	Connector	Connector-Uncategori	FLG TO DRN BTM OF D-1081 1ST FLR SGO	0 75	Yearly-10	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	HW Tanks	D-1081-E1	Connector	Connector-Uncategori	FLG TO P-1081 BTM OF D-1081 1ST FLR SGO	2	Yearly-10	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	HW Tanks	D-1081-EV1	Connector	Connector-Uncategori	FLG AT RUP DISC TOP SE SDE D-1081 1ST FLR SGO	8	Yearly-10	Vapor			
BASF Wyandotte	RCRA BB	JPP	HW Tanks	D-1081-F1	Connector	Connector-Uncategori	FLG FROM LOADING TOP NE SDE D-1081 1ST FLR SGO	2	Yearly-10	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	HW Tanks	D-1081-F2	Connector	Connector-Uncategori	FLG FR D-1053/54 TOP E SDE 1081 1ST FLR SGO	2	Yearly-10	Vapor		Insulation	
BASF Wyandotte	RCRA BB	JPP	HW Tanks	D-1081-F3	Connector	Connector-Uncategori	FLG FOR SHORT STOP TOP W SD D-1081 1ST FLR SGO	2	Yearly-10	Vapor			
BASF Wyandotte	RCRA BB	JPP	HW Tanks	D-1081-L1	Connector	Connector-Uncategori	FLG AT LS-1081-01 TOP W SD D-1081 1ST FLR SGO	2	Yearly-10	Vapor			
BASF Wyandotte	RCRA BB	JPP	HW Tanks	D-1081-L2	Connector	Connector-Uncategori	FLG AT LT-1081-02 TOP W SD D-1081 1ST FLR SGO	3	Yearly-10	Vapor			
BASF Wyandotte	RCRA BB	JPP	HW Tanks	D-1081-MW1	Connector	Connector-Uncategori	MANWAY TOP N SD D-1081 1ST FLR SGO	24	Yearly-10	Vapor			
BASF Wyandotte	RCRA BB	JPP	HW Tanks	D-1081-MW2	Connector	Connector-Uncategori	MANWAY E SDE OF D-1081 1ST FLR SGO	24	Yearly-10	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	HW Tanks	D-1081-P1	Connector	Connector-Uncategori	FLG AT PI-1081-001 TOP NE SDE D-1081 1ST FLR SGO	2	Yearly-10	Vapor			
BASF Wyandotte	RCRA BB	JPP	HW Tanks	D-1081-T1	Connector	Connector-Uncategori	FLG AT TT-1081-001 W SDE OF D-1081 1ST FLR SGO	1 5	Yearly-10	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	HW Tanks	D-1081-V1	Connector	Connector-Uncategori	FLG TO RTO TOP SE SDE D-1081 1ST FLR SGO	3	Yearly-10	Vapor			

SITE	Regulation	Area	Sub Area	Tag #	Equipment	Type	Description	Size	Frequency	Chem State	EX Reason	DM Reason	UM Reason
BASF Wyandotte	RCRA BB	JPP	HW Tanks	D-1081-V2	Connector	Connector-Uncategori	FLG TOP W SDE OF D-1081 1ST FLR SGO	2	Yearly-10	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	HW Tanks	D-1082-A1	Connector	Connector-Uncategori	FLG BLW AGI TOP CENTER D-1082 1ST FLR SGO	8	Yearly-10	Vapor			
BASF Wyandotte	RCRA BB	JPP	HW Tanks	D-1082-D1	Connector	Connector-Uncategori	FLG TO DRN BTM OF D-1082 1ST FLR SGO	0 74	Yearly-10	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	HW Tanks	D-1082-E1	Connector	Connector-Uncategori	FLG TO P-1081 BTM OF D-1082 1ST FLR SGO	2	Yearly-10	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	HW Tanks	D-1082-EV1	Connector	Connector-Uncategori	FLG AT RUP DISC TOP NE SDE D-1082 1ST FLR SGO	8	Yearly-10	Vapor			
BASF Wyandotte	RCRA BB	JPP	HW Tanks	D-1082-F1	Connector	Connector-Uncategori	FLG FROM UNLOADING TOP SE SDE D-1082 1ST FLR SGO	2	Yearly-10	Vapor			
BASF Wyandotte	RCRA BB	JPP	HW Tanks	D-1082-F2	Connector	Connector-Uncategori	FLG FR D-1053/54 TOP E SDE D-1082 1ST FLR SGO	2	Yearly-10	Vapor			
BASF Wyandotte	RCRA BB	JPP	HW Tanks	D-1082-F3	Connector	Connector-Uncategori	FLG SHORT STOP LN TOP SW SDE D-1082 1ST FLR SGO	2	Yearly-10	Vapor			
BASF Wyandotte	RCRA BB	JPP	HW Tanks	D-1082-L1	Connector	Connector-Uncategori	FLG AT LS-1081-003 TOP SW SDE D-1082 1ST FLR SGO	2	Yearly-10	Vapor			
BASF Wyandotte	RCRA BB	JPP	HW Tanks	D-1082-L2	Connector	Connector-Uncategori	FLG AT LT-1081-004 TOP SW SDE D-1082 1ST FLR SGO	3	Yearly-10	Vapor			
BASF Wyandotte	RCRA BB	JPP	HW Tanks	D-1082-MW1	Connector	Connector-Uncategori	MANWAY TOP S SDE OF D-1082 1ST FLR SGO	24	Yearly-10	Vapor			
BASF Wyandotte	RCRA BB	JPP	HW Tanks	D-1082-MW2	Connector	Connector-Uncategori	MANWAY E SDE OF D-1082 1ST FLR SGO	24	Yearly-10	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	HW Tanks	D-1082-P1	Connector	Connector-Uncategori	FLG AT PI-1081-002 TOP NE SDE D-1082 1ST FLR SGO	2	Yearly-10	Vapor			
BASF Wyandotte	RCRA BB	JPP	HW Tanks	D-1082-T1	Connector	Connector-Uncategori	FLG AT TT-1082-001 W SDE OF D-1082 1ST FLR SGO	1 5	Yearly-10	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	HW Tanks	D-1082-V1	Connector	Connector-Uncategori	FLG TO RTO TOP NE SDE D-1082 1ST FLR SGO	3	Yearly-10	Vapor			
BASF Wyandotte	RCRA BB	JPP	HW Tanks	D-1082-V2	Connector	Connector-Uncategori	FLG TOP W SDE OF D-1082 1ST FLR SGO	2	Yearly-10	Vapor			
BASF Wyandotte	RCRA BB	JPP	HW Tanks	E-1053-F1	Connector	Connector-Uncategori	FLG BLW E-1053 ABV D-1053 1ST FLR SGO	2	Never	Vapor			Unsafe location to monitor
BASF Wyandotte	RCRA BB	JPP	HW Tanks	E-1053-F1 1	Connector	Connector-Uncategori	FLG ABV E-1053 ABV D-1053 1ST FLR SGO	2	Never	Vapor			Unsafe location to monitor
BASF Wyandotte	RCRA BB	JPP	HW Tanks	E-1054-E1	Connector	Connector-Uncategori	FLG ABV E-1054 ABV D-1054 1ST FLR SGO	2	Never	Vapor			Unsafe location to monitor
BASF Wyandotte	RCRA BB	JPP	HW Tanks	E-1054-F1	Connector	Connector-Uncategori	FLG BLW E-1054 ABV D-1054 1ST FLR SGO	2	Never	Vapor			Unsafe location to monitor
BASF Wyandotte	RCRA BB	JPP	HW Tanks	P-1053	Pump	Pump-Uncategorized	PUMP SEAL FOTR P-1053 N OF D-1053 1ST FLR SGO	0	Monthly	Heavy Liquid			
BASF Wyandotte	RCRA BB	JPP	HW Tanks	P-1053 1	Connector	Connector-Uncategori	S FLG BTM OF P-1053 N OF D-1053 1ST FLR SGO	3	Yearly-10	Heavy Liquid		Insulation	
BASF Wyandotte	RCRA BB	JPP	HW Tanks	P-1053 2	Connector	Connector-Uncategori	SC FITT BTM OF P-1053 N OF D-1053 1ST FLR SGO	3	Yearly-10	Heavy Liquid		Insulation	
BASF Wyandotte	RCRA BB	JPP	HW Tanks	P-1053 3	Connector	Connector-Uncategori	N FLG BTM OF P-1053 N OF D-1053 1ST FLR SGO	3	Yearly-10	Heavy Liquid		Insulation	
BASF Wyandotte	RCRA BB	JPP	HW Tanks	P-1053 4	Connector	Connector-Uncategori	S FLG TOP OF P-1053 N OF D-1053 1ST FLR SGO	3	Yearly-10	Heavy Liquid		Insulation	
BASF Wyandotte	RCRA BB	JPP	HW Tanks	P-1053 5	Connector	Connector-Uncategori	SC FITT TOP OF P-1053 N OF D-1053 1ST FLR SGO	3	Yearly-10	Heavy Liquid		Insulation	
BASF Wyandotte	RCRA BB	JPP	HW Tanks	P-1053 6	Connector	Connector-Uncategori	N FLG TOP OF P-1053 N OF D-1053 1ST FLR SGO	3	Yearly-10	Heavy Liquid		Insulation	
BASF Wyandotte	RCRA BB	JPP	HW Tanks	P-1054	Pump	Pump-Uncategorized	PUMP SEAL FOR P-1054 N OF D-1054 1ST FLR SGO	0	Monthly	Heavy Liquid			
BASF Wyandotte	RCRA BB	JPP	HW Tanks	P-1054 1	Connector	Connector-Uncategori	N FLG BTM OF P-1054 N OF D-1054 1ST FLR SGO	2	Yearly-10	Heavy Liquid		Insulation	
BASF Wyandotte	RCRA BB	JPP	HW Tanks	P-1054 2	Connector	Connector-Uncategori	SC FITT BTM OF P-1054 N OF D-1054 1ST FLR SGO	2	Yearly-10	Heavy Liquid		Insulation	
BASF Wyandotte	RCRA BB	JPP	HW Tanks	P-1054 3	Connector	Connector-Uncategori	S FLG BTM OF P-1054 N OF D-1054 1ST FLR SGO	2	Yearly-10	Heavy Liquid		Insulation	
BASF Wyandotte	RCRA BB	JPP	HW Tanks	P-1054 4	Connector	Connector-Uncategori	N FLG TOP OF P-1054 N OF D-1054 1ST FLR SGO	2	Yearly-10	Heavy Liquid		Insulation	
BASF Wyandotte	RCRA BB	JPP	HW Tanks	P-1054 5	Connector	Connector-Uncategori	SC FITT TOP OF P-1054 N OF D-1054 1ST FLR SGO	2	Yearly-10	Heavy Liquid		Insulation	
BASF Wyandotte	RCRA BB	JPP	HW Tanks	P-1054 6	Connector	Connector-Uncategori	S FLG TOP OF P-1054 N OF D-1054 1ST FLR SGO	2	Yearly-10	Heavy Liquid		Insulation	
BASF Wyandotte	RCRA BB	JPP	HW Tanks	P-1081	Pump	Pump-Uncategorized	PUMP SEAL FOR P-1081 1ST FLR SGO	0	Monthly	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	HW Tanks	P-1081 1	Connector	Connector-Uncategori	S FLG AT PUMP TOP P-1081 DISCH 1ST FLR SGO	2	Yearly-10	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	HW Tanks	P-1081 2	Connector	Connector-Uncategori	SCR FITT AT PUMP TOP P-1081 DISCH 1ST FLR SGO	2	Yearly-10	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	HW Tanks	P-1081 3	Connector	Connector-Uncategori	N FLG AT PUMP TOP P-1081 DISCH 1ST FLR SGO	2	Yearly-10	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	HW Tanks	P-1081 4	Connector	Connector-Uncategori	N FLG BTM OF PUMP P-1081 SUCT 1ST FLR SGO	2	Yearly-10	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	HW Tanks	P-1081 5	Connector	Connector-Uncategori	SCR FITT BTM OF PUMP P-1081 SUCT 1ST FLR SGO	2	Yearly-10	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	HW Tanks	P-1081 6	Connector	Connector-Uncategori	S FLG BTM OF PUMP P-1081 SUCT 1ST FLR SGO	2	Yearly-10	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	HW Tanks	PSE-1053-001	Press Relief Device	Pressure Relief Valv	RUPTURE DISC ABV D-1053 1ST FLR SGO	4	Never	Vapor			Unsafe location to monitor
BASF Wyandotte	RCRA BB	JPP	HW Tanks	PSE-1054-001	Press Relief Device	Pressure Relief Valv	RUPTPRE DISC ABV D-1054 1ST FLR SGO	4	Never	Vapor			Unsafe location to monitor
BASF Wyandotte	RCRA BB	JPP	HW Tanks	PSE-1081-003	Press Relief Device	Pressure Relief Valv	RUPTURE DISC ABV SE SDE D-1081 1ST FLR SGO	6	Yearly-10	Vapor			
BASF Wyandotte	RCRA BB	JPP	HW Tanks	PSE-1081-004	Press Relief Device	Pressure Relief Valv	RUPTURE DISC TOP NE SDE D-1082 1ST FLR SGO	6	Yearly-10	Vapor			
BASF Wyandotte	RCRA BB	JPP	HW Tanks	PV-1053-001A	Valve	Control Valve	CNTRL VLV ABV E-1053 ABV D-1053 1ST FLR SGO	1	Never	Vapor			Unsafe location to monitor
BASF Wyandotte	RCRA BB	JPP	HW Tanks	PV-1053-001A 1	Connector	Connector-Uncategori	VEFB ABV E-1053 ABV D-1053 1ST FLR SGO	1	Never	Vapor			Unsafe location to monitor
BASF Wyandotte	RCRA BB	JPP	HW Tanks	PV-1053-001A 2	Connector	Connector-Uncategori	VEFT ABV E-1053 ABV D-1053 1ST FLR SGO	1	Never	Vapor			Unsafe location to monitor
BASF Wyandotte	RCRA BB	JPP	HW Tanks	PV-1053-001B	Valve	Control Valve	CNTRL VLV FR N2 ABV D-1053 1ST FLR SGO	1	Never	Vapor			Unsafe location to monitor
BASF Wyandotte	RCRA BB	JPP	HW Tanks	PV-1053-001B 1	Connector	Connector-Uncategori	VEFB FR N2 ABV D-1053 1ST FLR SGO	1	Never	Vapor			Unsafe location to monitor
BASF Wyandotte	RCRA BB	JPP	HW Tanks	PV-1053-001C	Valve	Control Valve	CNTRL VLV FR R-1102/1202 ABV D-1053 1ST FLR SGO	1 5	Never	Vapor			Unsafe location to monitor
BASF Wyandotte	RCRA BB	JPP	HW Tanks	PV-1053-001C 1	Connector	Connector-Uncategori	VEFB FR R-1102/1202 ABV D-1053 1ST FLR SGO	1 5	Never	Vapor			Unsafe location to monitor
BASF Wyandotte	RCRA BB	JPP	HW Tanks	PV-1053-001C 2	Connector	Connector-Uncategori	VEFT FR R-1102/1202 ABV D-1053 1ST FLR SGO	1 5	Never	Heavy Liquid			Unsafe location to monitor
BASF Wyandotte	RCRA BB	JPP	HW Tanks	PV-1054-001A	Valve	Control Valve	CNTRL VLV ABV E-1054 ABV D-1054 1ST FLR SGO	1	Never	Vapor			Unsafe location to monitor
BASF Wyandotte	RCRA BB	JPP	HW Tanks	PV-1054-001A 1	Connector	Connector-Uncategori	VEFB ABV E-1054 ABV D-1054 1ST FLR SGO	1	Never	Vapor			Unsafe location to monitor
BASF Wyandotte	RCRA BB	JPP	HW Tanks	PV-1054-001A 2	Connector	Connector-Uncategori	VEFT ABV E-1054 ABV D-1054 1ST FLR SGO	1	Never	Vapor			Unsafe location to monitor
BASF Wyandotte	RCRA BB	JPP	HW Tanks	PV-1054-001B	Valve	Control Valve	CNTRL VLV FR N2 TOP OF D-1054 1ST FLR SGO	1	Never	Vapor			Unsafe location to monitor
BASF Wyandotte	RCRA BB	JPP	HW Tanks	PV-1054-001B 1	Connector	Connector-Uncategori	VEFB FR N2 TOP OF D-1054 1ST FLR SGO	1	Never	Vapor			Unsafe location to monitor
BASF Wyandotte	RCRA BB	JPP	HW Tanks	PV-1054-001C	Valve	Control Valve	CNTRL VLV FR R-1302 TOP OF D-1054 1ST FLR SGO	1 5	Never	Vapor			Unsafe location to monitor
BASF Wyandotte	RCRA BB	JPP	HW Tanks	PV-1054-001C 1	Connector	Connector-Uncategori	VEFB FR R-1302 TOP OF D-1054 1ST FLR SGO	1 5	Never	Vapor			Unsafe location to monitor
BASF Wyandotte	RCRA BB	JPP	HW Tanks	PV-1054-001C 2	Connector	Connector-Uncategori	VEFT FR R-1302 TOP OF D-1054 1ST FLR SGO	1 5	Never	Heavy Liquid			Unsafe location to monitor
BASF Wyandotte	RCRA BB	JPP	HW Tanks	PV-1081-004A	Valve	Valve-Uncategorized	CNTRL VLV TO RTO ABV NE SDE D-1081 1ST FLR SGO	2	Quarterly-1	Vapor			
BASF Wyandotte	RCRA BB	JPP	HW Tanks	PV-1081-004A 1	Connector	Connector-Uncategori	VEFS TO RTO ABV NE SDE D-1081 1ST FLR SGO	2	Yearly-10	Vapor			
BASF Wyandotte	RCRA BB	JPP	HW Tanks	PV-1081-004A 2	Connector	Connector-Uncategori	VEFN TO RTO ABV NE SDE D-1081 1ST FLR SGO	2	Yearly-10	Vapor			
BASF Wyandotte	RCRA BB	JPP	HW Tanks	PV-1081-005A	Valve	Valve-Uncategorized	CNTRL VLV TO RTO ABV SE SDE D-1082 1ST FLR SGO	2	Quarterly-1	Vapor			
BASF Wyandotte	RCRA BB	JPP	HW Tanks	PV-1081-005A 1	Connector	Connector-Uncategori	VEFS TO RTO ABV SE SDE D-1082 1ST FLR SGO	2	Yearly-10	Vapor			
BASF Wyandotte	RCRA BB	JPP	HW Tanks	PV-1081-005A 2	Connector	Connector-Uncategori	VEFN TO RTO ABV SE SDE D-1082 1ST FLR SGO	2	Yearly-10	Vapor			
BASF Wyandotte	RCRA BB	JPP	HW Tanks	PV-1081-005B	Valve	Valve-Uncategorized	CNTRL VLV LEAN AIR LINE ABV SE SDE D-1082 1ST FLR SGO	1	Quarterly-1	Vapor			
BASF Wyandotte	RCRA BB	JPP	HW Tanks	PV-1081-04B	Valve	Valve-Uncategorized	CNTRL VLV LEAN AIR LINE ABV NE SDE D-1081 1ST FLR SGO	1	Quarterly-1	Vapor			
BASF Wyandotte	RCRA BB	JPP	HW Tanks	PV-1081-04B 1	Connector	Connector-Uncategori	VEFS LEAN AIR LINE ABV NE SDE D-1081 1ST FLR SGO	1	Yearly-10	Vapor			
BASF Wyandotte	RCRA BB	JPP	HW Tanks	PVB1081-005B 1	Connector	Connector-Uncategori	VEFN LEAN AIR LINE ABV SE SDE D-1082 1ST FLR SGO	1	Yearly-10	Vapor			
BASF Wyandotte	RCRA BB	JPP	HW Tanks	XV-1053-001	Valve	Control Valve	CNTRL VLV FR WFE-1103 ABV D-1053 1ST FLR SGO	2	Never	Vapor			Unsafe location to monitor

SITE	Regulation	Area	Sub Area	Tag #	Equipment	Type	Description	Size	Frequency	Chem State	EX Reason	DM Reason	UM Reason
BASF Wyandotte	RCRA BB	JPP	HW Tanks	XV-1053-001 1	Connector	Connector-Uncategori	VEFB FR WFE-1103 ABV D-1053 1ST FLR SGO	2	Never	Vapor			Unsafe location to monitor
BASF Wyandotte	RCRA BB	JPP	HW Tanks	XV-1053-001 2	Connector	Connector-Uncategori	VEFT FR WFE-1103 ABV D-1053 1ST FLR SGO	2	Never	Heavy Liquid			Unsafe location to monitor
BASF Wyandotte	RCRA BB	JPP	HW Tanks	XV-1053-002	Valve	Control Valve	CNTRL VLV FR P-1103 ABV D-1053 1ST FLR SGO	2	Never	Heavy Liquid			Unsafe location to monitor
BASF Wyandotte	RCRA BB	JPP	HW Tanks	XV-1053-002 1	Connector	Connector-Uncategori	VEFB FR P-1103 ABV D-1053 1ST FLR SGO	2	Never	Heavy Liquid			Unsafe location to monitor
BASF Wyandotte	RCRA BB	JPP	HW Tanks	XV-1053-002 2	Connector	Connector-Uncategori	VEFT FR P-1103 ABV D-1053 1ST FLR SGO	2	Never	Heavy Liquid			Unsafe location to monitor
BASF Wyandotte	RCRA BB	JPP	HW Tanks	XV-1053-003	Valve	Control Valve	CNTRL VLV FR P-1203 ABV D-1053 1ST FLR SGO	2	Never	Heavy Liquid			Unsafe location to monitor
BASF Wyandotte	RCRA BB	JPP	HW Tanks	XV-1053-003 1	Connector	Connector-Uncategori	VEFB FR P-1203 ABV D-1053 1ST FLR SGO	2	Never	Heavy Liquid			Unsafe location to monitor
BASF Wyandotte	RCRA BB	JPP	HW Tanks	XV-1053-003 2	Connector	Connector-Uncategori	VEFT FR P-1203 ABV D-1053 1ST FLR SGO	2	Never	Heavy Liquid			Unsafe location to monitor
BASF Wyandotte	RCRA BB	JPP	HW Tanks	XV-1053-004	Valve	Valve-Uncategorized	CNTRL VLV TO D-1081/1082 P-1053 DISCH 1ST FLR SGO	2	Quarterly-1	Heavy Liquid			
BASF Wyandotte	RCRA BB	JPP	HW Tanks	XV-1053-004 1	Connector	Connector-Uncategori	VEFS TO D-1081/1082 P-1053 DISCH 1ST FLR SGO	2	Yearly-10	Heavy Liquid		Insulation	
BASF Wyandotte	RCRA BB	JPP	HW Tanks	XV-1053-004 2	Connector	Connector-Uncategori	VEFN TO D-1081/1082 P-1053 DISCH 1ST FLR SGO	2	Yearly-10	Vapor		Insulation	
BASF Wyandotte	RCRA BB	JPP	HW Tanks	XV-1053-005	Valve	Control Valve	CNTRL VLV FR R-1102 ABV D-1053 1ST FLR SGO	2	Never	Heavy Liquid			Unsafe location to monitor
BASF Wyandotte	RCRA BB	JPP	HW Tanks	XV-1053-005 1	Connector	Connector-Uncategori	VEFB FR R-1102 ABV D-1053 1ST FLR SGO	2	Never	Heavy Liquid			Unsafe location to monitor
BASF Wyandotte	RCRA BB	JPP	HW Tanks	XV-1053-005 2	Connector	Connector-Uncategori	VEFT FR R-1102 ABV D-1053 1ST FLR SGO	2	Never	Heavy Liquid			Unsafe location to monitor
BASF Wyandotte	RCRA BB	JPP	HW Tanks	XV-1053-006	Valve	Control Valve	CNTRL VLV FR R-1202 ABV D-1053 1ST FLR SGO	2	Never	Heavy Liquid			Unsafe location to monitor
BASF Wyandotte	RCRA BB	JPP	HW Tanks	XV-1053-006 1	Connector	Connector-Uncategori	VEFB FR R-1202 ABV D-1053 1ST FLR SGO	2	Never	Heavy Liquid			Unsafe location to monitor
BASF Wyandotte	RCRA BB	JPP	HW Tanks	XV-1053-006 2	Connector	Connector-Uncategori	VEFT FR R-1202 ABV D-1053 1ST FLR SGO	2	Never	Heavy Liquid			Unsafe location to monitor
BASF Wyandotte	RCRA BB	JPP	HW Tanks	XV-1053-007	Valve	Control Valve	CNTRL VLV FR CLEAN SOLN ABV D-1053 1ST FLR SGO	2	Never	Vapor			Unsafe location to monitor
BASF Wyandotte	RCRA BB	JPP	HW Tanks	XV-1053-007 1	Connector	Connector-Uncategori	VEFB FR CLEAN SOLN ABV D-1053 1ST FLR SGO	2	Never	Vapor			Unsafe location to monitor
BASF Wyandotte	RCRA BB	JPP	HW Tanks	XV-1053-007 2	Connector	Connector-Uncategori	VEFT FR CLEAN SOLN ABV D-1053 1ST FLR SGO	2	Never	Heavy Liquid			Unsafe location to monitor
BASF Wyandotte	RCRA BB	JPP	HW Tanks	XV-1053-008	Valve	Control Valve	CNTRL VLV FR CARBITOL ABV D-1053 1ST FLR SGO	2	Never	Vapor			Unsafe location to monitor
BASF Wyandotte	RCRA BB	JPP	HW Tanks	XV-1053-008 1	Connector	Connector-Uncategori	VEFB FR CARBITOL ABV D-1053 1ST FLR SGO	2	Never	Vapor			Unsafe location to monitor
BASF Wyandotte	RCRA BB	JPP	HW Tanks	XV-1053-012	Valve	Valve-Uncategorized	CNTRL VLV TO P-1053 BLW OF D-1053 1ST FLR SGO	3	Quarterly-1	Heavy Liquid			
BASF Wyandotte	RCRA BB	JPP	HW Tanks	XV-1053-012 1	Connector	Connector-Uncategori	VEFE TO P-1053 BLW OF D-1053 1ST FLR SGO	3	Yearly-10	Heavy Liquid		Insulation	
BASF Wyandotte	RCRA BB	JPP	HW Tanks	XV-1053-012 2	Connector	Connector-Uncategori	VEFW TO P-1053 BLW OF D-1053 1ST FLR SGO	3	Yearly-10	Heavy Liquid		Insulation	
BASF Wyandotte	RCRA BB	JPP	HW Tanks	XV-1053-013	Valve	Valve-Uncategorized	CNTRL VLV RECYCLE LINE P-1053 DISCH 1ST FLR SGO	2	Quarterly-1	Heavy Liquid			
BASF Wyandotte	RCRA BB	JPP	HW Tanks	XV-1053-013 1	Connector	Connector-Uncategori	VEFB RECYCLE LINE P-1053 DISCH 1ST FLR SGO	2	Yearly-10	Heavy Liquid		Insulation	
BASF Wyandotte	RCRA BB	JPP	HW Tanks	XV-1053-013 2	Connector	Connector-Uncategori	VEFT RECYCLE LINE P-1053 DISCH 1ST FLR SGO	2	Yearly-10	Heavy Liquid		Insulation	
BASF Wyandotte	RCRA BB	JPP	HW Tanks	XV-1053-014	Valve	Valve-Uncategorized	CNTRL VLV AT N2 P-1053 DISCH N OF D-1053 1ST FLR SGO	1	Quarterly-1	Heavy Liquid			
BASF Wyandotte	RCRA BB	JPP	HW Tanks	XV-1053-014 1	Connector	Connector-Uncategori	VEFB AT N2 P-1053 DISCH N OF D-1053 1ST FLR SGO	1	Yearly-10	Heavy Liquid		Insulation	
BASF Wyandotte	RCRA BB	JPP	HW Tanks	XV-1053-015	Valve	Control Valve	CNTRL VLV FR P-1103 ABV D-1053 1ST FLR SGO	2	Never	Vapor			Unsafe location to monitor
BASF Wyandotte	RCRA BB	JPP	HW Tanks	XV-1053-015 1	Connector	Connector-Uncategori	VEFB FR P-1103 ABV D-1053 1ST FLR SGO	2	Never	Vapor			Unsafe location to monitor
BASF Wyandotte	RCRA BB	JPP	HW Tanks	XV-1053-015 2	Connector	Connector-Uncategori	VEFN FR P-1103 ABV D-1053 1ST FLR SGO	2	Never	Heavy Liquid			Unsafe location to monitor
BASF Wyandotte	RCRA BB	JPP	HW Tanks	XV-1053-015 3	Connector	Connector-Uncategori	VEFT FR P-1103 ABV D-1053 1ST FLR SGO	2	Never	Heavy Liquid			Unsafe location to monitor
BASF Wyandotte	RCRA BB	JPP	HW Tanks	XV-1053-016	Valve	Control Valve	CNTRL VLV FR P-1203 ABV D-1053 1ST FLR SGO	2	Never	Vapor			Unsafe location to monitor
BASF Wyandotte	RCRA BB	JPP	HW Tanks	XV-1053-016 1	Connector	Connector-Uncategori	VEFB FR P-1203 ABV D-1053 1ST FLR SGO	2	Never	Vapor			Unsafe location to monitor
BASF Wyandotte	RCRA BB	JPP	HW Tanks	XV-1053-016 2	Connector	Connector-Uncategori	VEFN FR P-1203 ABV D-1053 1ST FLR SGO	2	Never	Heavy Liquid			Unsafe location to monitor
BASF Wyandotte	RCRA BB	JPP	HW Tanks	XV-1053-016 3	Connector	Connector-Uncategori	VEFT FR P-1203 ABV D-1053 1ST FLR SGO	2	Never	Heavy Liquid			Unsafe location to monitor
BASF Wyandotte	RCRA BB	JPP	HW Tanks	XV-1053-019	Valve	Control Valve	CNTRL VLV FR WFE-1203 ABV D-1053 1ST FLR SGO	2	Never	Vapor			Unsafe location to monitor
BASF Wyandotte	RCRA BB	JPP	HW Tanks	XV-1053-019 1	Connector	Connector-Uncategori	VEFB FR WFE-1203 ABV D-1053 1ST FLR SGO	2	Never	Vapor			Unsafe location to monitor
BASF Wyandotte	RCRA BB	JPP	HW Tanks	XV-1053-019 2	Connector	Connector-Uncategori	VEFT FR WFE-1203 ABV D-1053 1ST FLR SGO	2	Never	Heavy Liquid			Unsafe location to monitor
BASF Wyandotte	RCRA BB	JPP	HW Tanks	XV-1054-003	Valve	Control Valve	CTNRL VLV FR P-1303 ABV D-1054 1ST FLR SGO	2	Never	Heavy Liquid			Unsafe location to monitor
BASF Wyandotte	RCRA BB	JPP	HW Tanks	XV-1054-003 1	Connector	Connector-Uncategori	VEFB FR P-1303 ABV D-1054 1ST FLR SGO	2	Never	Heavy Liquid			Unsafe location to monitor
BASF Wyandotte	RCRA BB	JPP	HW Tanks	XV-1054-003 2	Connector	Connector-Uncategori	VEFT FR P-1303 ABV D-1054 1ST FLR SGO	2	Never	Heavy Liquid			Unsafe location to monitor
BASF Wyandotte	RCRA BB	JPP	HW Tanks	XV-1054-004	Valve	Control Valve	CNTRL VLV FR P-1063 ABV D-1054 1ST FLR SGO	2	Never	Vapor			Unsafe location to monitor
BASF Wyandotte	RCRA BB	JPP	HW Tanks	XV-1054-004 1	Connector	Connector-Uncategori	VEFB FR P-1063 ABV D-1054 1ST FLR SGO	2	Never	Vapor			Unsafe location to monitor
BASF Wyandotte	RCRA BB	JPP	HW Tanks	XV-1054-005	Valve	Control Valve	CNTRL VLV FR P-0008 ABV D-1054 1ST FLR SGO	2	Never	Vapor			Unsafe location to monitor
BASF Wyandotte	RCRA BB	JPP	HW Tanks	XV-1054-005 1	Connector	Connector-Uncategori	VEFB FR P-0008 ABV D-1054 1ST FLR SGO	2	Never	Vapor			Unsafe location to monitor
BASF Wyandotte	RCRA BB	JPP	HW Tanks	XV-1054-010	Valve	Valve-Uncategorized	CNTRL VLV TO P-1054 BLW D-1054 1ST FLR SGO	3	Quarterly-1	Heavy Liquid			
BASF Wyandotte	RCRA BB	JPP	HW Tanks	XV-1054-010 1	Connector	Connector-Uncategori	VEFW TO P-1054 BLW D-1054 1ST FLR SGO	3	Yearly-10	Heavy Liquid		Insulation	
BASF Wyandotte	RCRA BB	JPP	HW Tanks	XV-1054-010 2	Connector	Connector-Uncategori	VEFE TO P-1054 BLW D-1054 1ST FLR SGO	3	Yearly-10	Heavy Liquid		Insulation	
BASF Wyandotte	RCRA BB	JPP	HW Tanks	XV-1054-011	Valve	Valve-Uncategorized	CNTRL VLV RECYCLE LINE P-1054 DISCH 1ST FLR SGO	2	Quarterly-1	Heavy Liquid			
BASF Wyandotte	RCRA BB	JPP	HW Tanks	XV-1054-011 1	Connector	Connector-Uncategori	VEFB RECYCLE LINE P-1054 DISCH 1ST FLR SGO	2	Yearly-10	Heavy Liquid		Insulation	
BASF Wyandotte	RCRA BB	JPP	HW Tanks	XV-1054-011 2	Connector	Connector-Uncategori	VEFT RECYCLE LINE P-1054 DISCH 1ST FLR SGO	2	Yearly-10	Heavy Liquid		Insulation	
BASF Wyandotte	RCRA BB	JPP	HW Tanks	XV-1054-012	Valve	Valve-Uncategorized	CNTRL VLV TO D-1081/82 P-1054 DISCH 1ST FLR SGO	2	Quarterly-1	Heavy Liquid			
BASF Wyandotte	RCRA BB	JPP	HW Tanks	XV-1054-012 1	Connector	Connector-Uncategori	VEFS TO D-1081/82 P-1054 DISCH 1ST FLR SGO	2	Yearly-10	Heavy Liquid		Insulation	
BASF Wyandotte	RCRA BB	JPP	HW Tanks	XV-1054-012 2	Connector	Connector-Uncategori	VEFN TO D-1081/82 P-1054 DISCH 1ST FLR SGO	2	Yearly-10	Heavy Liquid		Insulation	
BASF Wyandotte	RCRA BB	JPP	HW Tanks	XV-1054-013	Valve	Valve-Uncategorized	CNTRL VLV AT N2 P-1054 DISCH 1ST FLR SGO	1	Quarterly-1	Heavy Liquid			
BASF Wyandotte	RCRA BB	JPP	HW Tanks	XV-1054-013 1	Connector	Connector-Uncategori	VEFB AT N2 P-1054 DISCH 1ST FLR SGO	1	Yearly-10	Heavy Liquid		Insulation	
BASF Wyandotte	RCRA BB	JPP	HW Tanks	XV-1054-014	Valve	Control Valve	CNTRL VLV FR E-1203 ABV D-1054 1ST FLR SGO	2	Never	Vapor			Unsafe location to monitor
BASF Wyandotte	RCRA BB	JPP	HW Tanks	XV-1054-014 1	Connector	Connector-Uncategori	VEFB FR E-1203 ABV D-1054 1ST FLR SGO	2	Never	Vapor			Unsafe location to monitor
BASF Wyandotte	RCRA BB	JPP	HW Tanks	XV-1054-014 2	Connector	Connector-Uncategori	VEFN FR E-1203 ABV D-1054 1ST FLR SGO	2	Never	Heavy Liquid			Unsafe location to monitor
BASF Wyandotte	RCRA BB	JPP	HW Tanks	XV-1054-014 3	Connector	Connector-Uncategori	VEFT FR E-1203 ABV D-1054 1ST FLR SGO	2	Never	Heavy Liquid			Unsafe location to monitor
BASF Wyandotte	RCRA BB	JPP	HW Tanks	XV-1054-015	Valve	Control Valve	CNTRL VLV FR E1303/P1303 ABV D-1054 1ST FLR SGO	2	Never	Vapor			Unsafe location to monitor
BASF Wyandotte	RCRA BB	JPP	HW Tanks	XV-1054-015 1	Connector	Connector-Uncategori	VEFB FR E1303/P1303 ABV D-1054 1ST FLR SGO	2	Never	Vapor			Unsafe location to monitor
BASF Wyandotte	RCRA BB	JPP	HW Tanks	XV-1054-015 2	Connector	Connector-Uncategori	VEFN FR E1303/P1303 ABV D-1054 1ST FLR SGO	2	Never	Heavy Liquid			Unsafe location to monitor
BASF Wyandotte	RCRA BB	JPP	HW Tanks	XV-1054-015 3	Connector	Connector-Uncategori	VEFT FR E1303/P1303 ABV D-1054 1ST FLR SGO	2	Never	Heavy Liquid			Unsafe location to monitor
BASF Wyandotte	RCRA BB	JPP	HW Tanks	XV-1054-021	Valve	Control Valve	CNTRL VLV FR E-1303 ABV D-1054 1ST FLR SGO	2	Never	Vapor			Unsafe location to monitor
BASF Wyandotte	RCRA BB	JPP	HW Tanks	XV-1054-021 1	Connector	Connector-Uncategori	VEFB FR E-1303 ABV D-1054 1ST FLR SGO	2	Never	Vapor			Unsafe location to monitor
BASF Wyandotte	RCRA BB	JPP	HW Tanks	XV-1054-021 2	Connector	Connector-Uncategori	BF FR PSE-1303-002 ABV D-1054 1ST FLR SGO	2	Never	Vapor			Unsafe location to monitor
BASF Wyandotte	RCRA BB	JPP	HW Tanks	XV-1081-002	Valve	Valve-Uncategorized	CNTRL VLV FR D-1053/54 ABV NE SDE D-1081 1ST FLR SGO	2	Quarterly-1	Vapor			
BASF Wyandotte	RCRA BB	JPP	HW Tanks	XV-1081-002 1	Connector	Connector-Uncategori	VEFN FR D-1053/54 ABV NE SDE D-1081 1ST FLR SGO	2	Yearly-10	Vapor		Insulation	

SITE	Regulation	Area	Sub Area	Tag #	Equipment	Type	Description	Size	Frequency	Chem State	EX Reason	DM Reason	UM Reason
BASF Wyandotte	RCRA BB	JPP	HW Tanks	XV-1081-002 2	Connector	Connector-Uncategori	VEFS FR D-1053/54 ABV NE SDE D-1081 1ST FLR SGO	2	Yearly-10	Vapor		Insulation	
BASF Wyandotte	RCRA BB	JPP	HW Tanks	XV-1081-003	Valve	Valve-Uncategorized	CNTRL VLV FROM LOADING ABV NE SDE D-1081 1ST FLR SGO	2	Quarterly-1	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	HW Tanks	XV-1081-003 1	Connector	Connector-Uncategori	VEFN FROM LOADING ABV NE SDE D-1081 1ST FLR SGO	2	Yearly-10	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	HW Tanks	XV-1081-003 2	Connector	Connector-Uncategori	VEFS FROM LOADING ABV NE SDE D-1081 1ST FLR SGO	2	Yearly-10	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	HW Tanks	XV-1081-004	Valve	Valve-Uncategorized	CNTRL VLV BTM OF D-1081 1ST FLR SGO	2	Quarterly-1	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	HW Tanks	XV-1081-004 1	Connector	Connector-Uncategori	VEFS BTM OF D-1081 1ST FLR SGO	2	Yearly-10	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	HW Tanks	XV-1081-004 2	Connector	Connector-Uncategori	VEFN BTM OF D-1081 1ST FLR SGO	2	Yearly-10	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	HW Tanks	XV-1081-006	Valve	Valve-Uncategorized	CNTRL VLV PR D-1053/54 ABV SE SDE D-1082 1ST FLR SGO	2	Quarterly-1	Vapor			
BASF Wyandotte	RCRA BB	JPP	HW Tanks	XV-1081-006 1	Connector	Connector-Uncategori	VEFS PR D-1053/54 ABV SE SDE D-1082 1ST FLR SGO	2	Yearly-10	Vapor		Insulation	
BASF Wyandotte	RCRA BB	JPP	HW Tanks	XV-1081-006 2	Connector	Connector-Uncategori	VEFN PR D-1053/54 ABV SE SDE D-1082 1ST FLR SGO	2	Yearly-10	Vapor		Insulation	
BASF Wyandotte	RCRA BB	JPP	HW Tanks	XV-1081-007	Valve	Valve-Uncategorized	CNTRL VLV FROM UNLOADING ABV SE SDE D-1082 1ST FLR SGO	2	Quarterly-1	Vapor			
BASF Wyandotte	RCRA BB	JPP	HW Tanks	XV-1081-007 1	Connector	Connector-Uncategori	VEFS FROM UNLOADING ABV SE SDE D-1082 1ST FLR SGO	2	Yearly-10	Vapor			
BASF Wyandotte	RCRA BB	JPP	HW Tanks	XV-1081-007 2	Connector	Connector-Uncategori	VEFN FROM UNLOADING ABV SE SDE D-1082 1ST FLR SGO	2	Yearly-10	Vapor			
BASF Wyandotte	RCRA BB	JPP	HW Tanks	XV-1081-008	Valve	Valve-Uncategorized	XV-1081-008 BTM OF D-1082 1ST FLR SGO	2	Quarterly-1	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	HW Tanks	XV-1081-008 1	Connector	Connector-Uncategori	VEFS BTM OF D-1082 1ST FLR SGO	2	Yearly-10	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	HW Tanks	XV-1081-008 2	Connector	Connector-Uncategori	VEFN BTM OF D-1082 1ST FLR SGO	2	Yearly-10	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	HW Tanks	XV-1081-009	Valve	Valve-Uncategorized	CNTRL VLV ABV NW SDE OF D-1081 1ST FLR SGO	2	Quarterly-1	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	HW Tanks	XV-1081-009 1	Connector	Connector-Uncategori	VEFS ABV NW SDE OF D-1081 1ST FLR SGO	2	Yearly-10	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	HW Tanks	XV-1081-010	Valve	Valve-Uncategorized	CNTRL VLV ABV SW SDE OF D-1082 1ST FLR SGO	2	Quarterly-1	Vapor			
BASF Wyandotte	RCRA BB	JPP	HW Tanks	XV-1081-010 1	Connector	Connector-Uncategori	VEFN ABV SW SDE OF D-1082 1ST FLR SGO	2	Yearly-10	Vapor			
BASF Wyandotte	RCRA BB	JPP	HW Tanks	XV-1135-021	Valve	Valve-Uncategorized	CNTRL VLV IN PR 7 SE OF D-1081 20 HIGH 1ST FLR SGO	2	Never	Light Liquid			Unsafe
BASF Wyandotte	RCRA BB	JPP	HW Tanks	XV-1135-021 1	Connector	Connector-Uncategori	VEFS IN PR 7 SE OF D-1081 20 HIGH 1ST FLR SGO	2	Yearly-10	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	HW Tanks	XV-1135-021 2	Connector	Connector-Uncategori	VEFN IN PR 7 SE OF D-1081 20 HIGH 1ST FLR SGO	2	Yearly-10	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	HW Tanks	XV-1135-022	Valve	Valve-Uncategorized	CNTRL VLV IN PR 7 E OF D-1081 20 HIGH 1ST FLR SGO	2	Never	Light Liquid			Unsafe
BASF Wyandotte	RCRA BB	JPP	HW Tanks	XV-1135-022 1	Connector	Connector-Uncategori	VEFS IN PR 7 E OF D-1081 20 HIGH 1ST FLR SGO	2	Yearly-10	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	HW Tanks	XV-1135-022 2	Connector	Connector-Uncategori	VEFN IN PR 7 E OF D-1081 20 HIGH 1ST FLR SGO	2	Yearly-10	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 1	1105-V-24	Valve	Valve-Uncategorized	BALL VLV SUCT SDE OF P-1105 2ND FLR SGO	2	Quarterly-1	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 1	1105-V-24 1	Connector	Connector-Uncategori	FLG SUCT SDE OF P-1105 2ND FLR SGO	2	Yearly-10	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 1	1105-V-24 2	Connector	Connector-Uncategori	BF W/PLG SUCT SDE OF P-1105 2ND FLR SGO	2	Yearly-10	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 1	1105-V-24 3	Connector	Connector-Uncategori	FLG SUCT SDE OF P-1105 2ND FLR SGO	2	Yearly-10	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 1	1105-V-25	Valve	Valve-Uncategorized	DRN VLV SUCT SDE OF P-1105 2ND FLR SGO	0 75	Quarterly-1	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 1	1105-V-25 1	Connector	POEL	PLUG SUCT SDE OF P-1105 2ND FLR SGO	0 75	Yearly-10	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 1	1105-V-25 2	Connector	Connector-Uncategori	FLG SUCT SDE OF P-1105 2ND FLR SGO	3	Yearly-10	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 1	1105-V-26	Valve	Valve-Uncategorized	BLD VLV DISCH SDE OF P-1105 2ND FLR SGO	0 75	Quarterly-1	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 1	1105-V-26 1	Connector	POEL	PLUG DISCH SDE OF P-1105 2ND FLR SGO	0 75	Yearly-10	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 1	1105-V-27	Valve	Valve-Uncategorized	BALL VLV AT PT-1105-006 P-1105 DISCH 2ND FLR SGO	0 75	Quarterly-1	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 1	1105-V-27 1	Valve	Valve-Uncategorized	NEDL VLV AT PT-1105-006 P-1105 DISCH 2ND FLR SGO	0 5	Quarterly-1	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 1	1105-V-28	Valve	Valve-Uncategorized	CHK VLV P-1105 DISCH 2ND FLR SGO	1 5	Quarterly-1	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 1	1105-V-29	Valve	Valve-Uncategorized	BALL VLV P-1105 DISCH 2ND FLR SGO	1 5	Quarterly-1	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 1	1105-V-29 1	Connector	Connector-Uncategori	FLG AT FT-1105-003 P-1105 DISCH 2ND FLR SGO	1 5	Yearly-10	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 1	1105-V-29 2	Connector	Connector-Uncategori	FLG AT FT-1105-003 P-1105 DISCH 2ND FLR SGO	1 5	Yearly-10	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 1	1161-V-26	Valve	Valve-Uncategorized	BALL VLV TO D-1053 AT MNF E OF D-1161 1ST FLR SGO	2	Quarterly-1	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 1	1161-V-46	Valve	Valve-Uncategorized	BALL VLV TO D-1053 AT MNF E OF D-1161 1ST FLR SGO	2	Quarterly-1	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 1	P-1105	Pump	Pump-Uncategorized	PUMP SEAL FOR P-1105 2ND FLR SGO	0	Monthly	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 1	P-1105 1	Connector	Connector-Uncategori	BF AT PUMP HEAD FOR P-1105 2ND FLR SGO	0 5	Yearly-10	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 1	P-1105 2	Connector	Connector-Uncategori	FLG DISCH SDE OF P-1105 2ND FLR SGO	1 5	Yearly-10	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 1	PSE-1103-003	Press Relief Device	Pressure Relief Valv	RUP DISC PROD LINE BLW P-1103 20 HIGH 1ST FLR SGO	2	Yearly-10	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 1	PSE-1103-003 1	Connector	Connector-Uncategori	FLG OFF PROD LINE BLW P-1103 20 HIGH 1ST FLR SGO	2	Yearly-10	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 1	XV-1102-003	Valve	Valve-Uncategorized	CNTRL VLV ABV N SDE OF WFE-1103 3RD FLR SGO	2	Quarterly-1	Heavy Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 1	XV-1102-003 1	Connector	Connector-Uncategori	VEFN ABV N SDE OF WFE-1103 3RD FLR SGO	2	Yearly-10	Heavy Liquid		Insulation	
BASF Wyandotte	RCRA BB	JPP	Resin 1	XV-1103-006	Valve	Valve-Uncategorized	CNTRL VLV WFE-1103 DUMP TO D-1053 2ND FLR SGO	3	Quarterly-1	Heavy Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 1	XV-1103-006 1	Connector	Connector-Uncategori	VEFE WFE-1103 DUMP TO D-1053 2ND FLR SGO	3	Yearly-10	Heavy Liquid		Insulation	
BASF Wyandotte	RCRA BB	JPP	Resin 1	XV-1103-017	Valve	Valve-Uncategorized	CNTRL VLV BLW E END OF WFE-1103 3RD FLR SGO	2	Quarterly-1	Heavy Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 1	XV-1103-017 1	Connector	Connector-Uncategori	FLG BLW E END OF WFE-1103 3RD FLR SGO	2	Yearly-10	Heavy Liquid		Insulation	
BASF Wyandotte	RCRA BB	JPP	Resin 1	XV-1103-017 2	Connector	Connector-Uncategori	VEFT BLW E END OF WFE-1103 3RD FLR SGO	2	Yearly-10	Heavy Liquid		Insulation	
BASF Wyandotte	RCRA BB	JPP	Resin 1	XV-1103-017 3	Connector	Connector-Uncategori	VEFB BLW E END OF WFE-1103 3RD FLR SGO	2	Yearly-10	Heavy Liquid		Insulation	
BASF Wyandotte	RCRA BB	JPP	Resin 1	XV-1104-007	Valve	Valve-Uncategorized	CNTRL VLV ABV S SDE OF D-1104 2ND FLR SGO	2	Quarterly-1	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 1	XV-1104-007 1	Connector	Connector-Uncategori	VEFE ABV S SDE OF D-1104 2ND FLR SGO	2	Yearly-10	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 1	XV-1105-006	Valve	Valve-Uncategorized	CNTRL VLV AT N2 SUCT SDE OF P-1105 2ND FLR SGO	1	Quarterly-1	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 1	XV-1105-006 1	Connector	Connector-Uncategori	VEFN VLV AT N2 SUCT SDE OF P-1105 2ND FLR SGO	1	Yearly-10	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 1	XV-1105-007	Valve	Valve-Uncategorized	CNTRL VLV SUCT SDE OF P-1105 2ND FLR SGO	2	Quarterly-1	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 1	XV-1105-007 1	Connector	Connector-Uncategori	FLG BTM OF D-1105 2ND FLR SGO	3	Yearly-10	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 1	XV-1105-007 2	Connector	Connector-Uncategori	VEFW SUCT SDE OF P-1105 2ND FLR SGO	2	Yearly-10	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 1	XV-1105-007 3	Connector	Connector-Uncategori	VEFE SUCT SDE OF P-1105 2ND FLR SGO	2	Yearly-10	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 1	XV-1105-009	Valve	Valve-Uncategorized	CNTRL VLV P-1105 DISCH 2ND FLR SGO	1 5	Quarterly-1	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 1	XV-1105-009 1	Connector	Connector-Uncategori	VEFB P-1105 DISCH 2ND FLR SGO	1 5	Yearly-10	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 1	XV-1105-009 2	Connector	Connector-Uncategori	VEFT P-1105 DISCH 2ND FLR SGO	1 5	Yearly-10	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 1	XV-1161-013	Valve	Valve-Uncategorized	CNTRL VLV TO D-1053 AT MNF E OF D-1161 1ST FLR SGO	2	Quarterly-1	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 1	XV-1161-013 1	Connector	Connector-Uncategori	VEFB TO D-1053 AT MNF E OF D-1161 1ST FLR SGO	2	Yearly-10	Light Liquid		Insulation	
BASF Wyandotte	RCRA BB	JPP	Resin 1	XV-1161-013 2	Connector	Connector-Uncategori	VEFT TO D-1053 AT MNF E OF D-1161 1ST FLR SGO	2	Yearly-10	Light Liquid		Insulation	
BASF Wyandotte	RCRA BB	JPP	Resin 2	1171-V-28	Valve	Valve-Uncategorized	BALL VLV TO D-1053 ON PLTF N OF D-1181 1ST FLR SGO	2	Quarterly-1	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 2	1171-V-29	Valve	Valve-Uncategorized	BALL VLV TO D-1053 ON PLTF N OF D-1181 1ST FLR SGO	2	Quarterly-1	Light Liquid			

SITE	Regulation	Area	Sub Area	Tag #	Equipment	Type	Description	Size	Frequency	Chem State	EX Reason	DM Reason	UM Reason
BASF Wyandotte	RCRA BB	JPP	Resin 2	1205-V-24	Valve	Valve-Uncategorized	BALL VLV SUCT SDE OF P-1205 2ND FLR SGO	2	Quarterly-1	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 2	1205-V-24 1	Connector	Connector-Uncategori	FLG SUCT SDE OF P-1205 2ND FLR SGO	2	Yearly-10	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 2	1205-V-24 2	Connector	Connector-Uncategori	BF W/PLG SUCT SDE OF P-1205 2ND FLR SGO	2	Yearly-10	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 2	1205-V-24 3	Connector	Connector-Uncategori	FLG SUCT SDE OF P-1205 2ND FLR SGO	2	Yearly-10	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 2	1205-V-24 4	Connector	Connector-Uncategori	SC AT LSL-1205-002 P-1205 SUCT 2ND FLR SGO	0 75	Yearly-10	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 2	1205-V-25	Valve	Valve-Uncategorized	DRN VLV SUCT SDE OF P-1205 2ND FLR SGO	0 75	Quarterly-1	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 2	1205-V-25 1	Connector	POEL	PLUG SUCT SDE OF P-1205 2ND FLR SGO	0 75	Yearly-10	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 2	1205-V-25 2	Connector	Connector-Uncategori	FLG SUCT SDE OF P-1205 2ND FLR SGO	3	Yearly-10	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 2	1205-V-26	Valve	Valve-Uncategorized	BLD VLV DISCH SDE OF P-1205 2ND FLR SGO	0 75	Quarterly-1	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 2	1205-V-26 1	Connector	POEL	CAP DISCH SDE OF P-1205 2ND FLR SGO	0 75	Yearly-10	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 2	1205-V-27	Valve	Valve-Uncategorized	BALL VLV AT PT-1205-006 P-1205 DISCH 2ND FLR SGO	0 75	Quarterly-1	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 2	1205-V-27 1	Valve	Valve-Uncategorized	NEDL VLV AT PT-1205-006 P-1205 DISCH 2ND FLR SGO	0 5	Quarterly-1	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 2	1205-V-28	Valve	Valve-Uncategorized	CHK VLV DISCH SDE OF P-1205 2ND FLR SGO	1 5	Quarterly-1	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 2	1205-V-29	Valve	Valve-Uncategorized	BALL VLV DISCH SDE OF P-1205 2ND FLR SGO	1 5	Quarterly-1	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 2	1205-V-29 1	Connector	Connector-Uncategori	FLG AT FT-1205-003 P-1205 DISCH 2ND FLR SGO	1 5	Yearly-10	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 2	1205-V-29 2	Connector	Connector-Uncategori	FLG AT FT-1205-003 P-1205 DISCH 2ND FLR SGO	1 5	Yearly-10	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 2	P-1205	Pump	Pump-Uncategorized	PUMP SEAL FOR P-1205 2ND FLR SGO	0	Monthly	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 2	P-1205 1	Connector	Connector-Uncategori	BF AT P-1205 PUMP HEAD 2ND FLR SGO	0 5	Yearly-10	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 2	P-1205 2	Connector	Connector-Uncategori	FLG DISCH SDE OF P-1205 2ND FLR SGO	1 5	Yearly-10	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 2	PSE-1203-003	Press Relief Device	Pressure Relief Valv	RUP DISC PROD LINE BLW P-1203 20 HIGH 1ST FLR SGO	2	Never	Light Liquid			Unsafe location to monitor
BASF Wyandotte	RCRA BB	JPP	Resin 2	PSE-1203-003 1	Connector	Connector-Uncategori	FLG OFF PROD LINE BLW P-1203 20 HIGH 1ST FLR SGO	2	Never	Light Liquid			Unsafe location to monitor
BASF Wyandotte	RCRA BB	JPP	Resin 2	VX-1205-009 2	Connector	Connector-Uncategori	VEFT DISCH SDE OF P-1205 2ND FLR SGO	1 5	Yearly-10	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 2	XV-1171-013	Valve	Valve-Uncategorized	CNTRL VLV TO D-1053 ON PLTF N OF D-1181 1ST FLR SGO	2	Quarterly-1	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 2	XV-1171-013 1	Connector	Connector-Uncategori	VEFB TO D-1053 ON PLTF N OF D-1181 1ST FLR SGO	2	Yearly-10	Light Liquid		Insulation	
BASF Wyandotte	RCRA BB	JPP	Resin 2	XV-1171-013 2	Connector	Connector-Uncategori	VEFT TO D-1053 ON PLTF N OF D-1181 1ST FLR SGO	2	Yearly-10	Light Liquid		Insulation	
BASF Wyandotte	RCRA BB	JPP	Resin 2	XV-1202-003	Valve	Valve-Uncategorized	CNTRL VLV ABV N SDE OF WFE-1203 3RD FLR SGO	2	Quarterly-1	Heavy Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 2	XV-1202-003 1	Connector	Connector-Uncategori	VEFN ABV N SDE OF WFE-1203 3RD FLR SGO	2	Yearly-10	Heavy Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 2	XV-1203-006	Valve	Valve-Uncategorized	CNTRL VLV WFE-1203 DUMP TO D-1053 2ND FLR SGO	3	Quarterly-1	Heavy Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 2	XV-1203-006 1	Connector	Connector-Uncategori	VEFW WFE-1203 DUMP TO D-1053 2ND FLR SGO	3	Yearly-10	Heavy Liquid		Insulation	
BASF Wyandotte	RCRA BB	JPP	Resin 2	XV-1203-017	Valve	Valve-Uncategorized	CNTRL VLV BTM E END OF WFE-1203 3RD FLR SGO	2	Quarterly-1	Heavy Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 2	XV-1203-017 1	Connector	Connector-Uncategori	FLG BTM E END OF WFE-1203 3RD FLR SGO	2	Yearly-10	Heavy Liquid		Insulation	
BASF Wyandotte	RCRA BB	JPP	Resin 2	XV-1203-017 2	Connector	Connector-Uncategori	VEFT BTM E END OF WFE-1203 3RD FLR SGO	2	Yearly-10	Heavy Liquid		Insulation	
BASF Wyandotte	RCRA BB	JPP	Resin 2	XV-1203-017 3	Connector	Connector-Uncategori	VEFB BTM E END OF WFE-1203 3RD FLR SGO	2	Yearly-10	Heavy Liquid		Insulation	
BASF Wyandotte	RCRA BB	JPP	Resin 2	XV-1204-007	Valve	Valve-Uncategorized	CNTRL VLV ABV S SDE OF D-1204 2ND FLR SGO	2	Quarterly-1	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 2	XV-1204-007 1	Connector	Connector-Uncategori	VEFE ABV S SDE OF D-1204 2ND FLR SGO	2	Yearly-10	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 2	XV-1205-006	Valve	Valve-Uncategorized	CNTRL VLV AT N2 SUCT SDE OF P-1205 2ND FLR SGO	1	Quarterly-1	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 2	XV-1205-006 1	Connector	Connector-Uncategori	VEFN AT N2 SUCT SDE OF P-1205 2ND FLR SGO	1	Yearly-10	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 2	XV-1205-007	Valve	Valve-Uncategorized	CNTRL VLV SUCT SDE OF P-1205 2ND FLR SGO	2	Quarterly-1	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 2	XV-1205-007 1	Connector	Connector-Uncategori	FLG BTM OF D-1205 2ND FLR SGO	3	Yearly-10	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 2	XV-1205-007 2	Connector	Connector-Uncategori	VEFW SUCT SDE OF P-1205 2ND FLR SGO	3	Yearly-10	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 2	XV-1205-007 3	Connector	Connector-Uncategori	VEFE SUCT SDE OF P-1205 2ND FLR SGO	3	Yearly-10	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 2	XV-1205-009	Valve	Valve-Uncategorized	CNTRL VLV DISCH SDE OF P-1205 2ND FLR SGO	1 5	Quarterly-1	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 2	XV-1205-009 1	Connector	Connector-Uncategori	VEFB DISCH SDE OF P-1205 2ND FLR SGO	1 5	Yearly-10	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 2	XV-1206-002	Valve	Valve-Uncategorized	CNTRL VLV BACK LEG TO WASTE D-1053 1ST FLR SGO	3	Quarterly-1	Heavy Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 2	XV-1206-002 1	Connector	Connector-Uncategori	VEFS BACK LEG TO WASTE D-1053 1ST FLR SGO	3	Yearly-10	Heavy Liquid	Inaccessible-Insulated		
BASF Wyandotte	RCRA BB	JPP	Resin 2	XV-1206-003	Valve	Valve-Uncategorized	CNTRL VLV SOLV TO BACKLEG SW SDE Z-1206 1ST FLR SGO	2	Quarterly-1	Heavy Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 2	XV-1206-003 1	Connector	Connector-Uncategori	VEFB SOLV TO BACKLEG SW SDE Z-1206 1ST FLR SGO	2	Yearly-10	Heavy Liquid		Insulation	
BASF Wyandotte	RCRA BB	JPP	Resin 3	1181-V-24	Valve	Valve-Uncategorized	BALL VLV TO D-1053 ON PLTF N OF D-1181 1ST FLR SGO	2	Quarterly-1	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 3	1181-V-25	Valve	Valve-Uncategorized	BALL VLV TO D-1053 ON PLTF N OF D-1181 1ST FLR SGO	2	Quarterly-1	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 3	1305-V-24	Valve	Valve-Uncategorized	BALL VLV SUCT SDE OF P-1305 2ND FLR SGO	2	Quarterly-1	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 3	1305-V-24 1	Connector	Connector-Uncategori	FLG SUCT SDE OF P-1305 2ND FLR SGO	2	Yearly-10	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 3	1305-V-24 2	Connector	Connector-Uncategori	BF W/PLG SUCT SDE OF P-1305 2ND FLR SGO	2	Yearly-10	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 3	1305-V-24 3	Connector	Connector-Uncategori	FLG SUCT SDE OF P-1305 2ND FLR SGO	2	Yearly-10	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 3	1305-V-24 4	Connector	Connector-Uncategori	SC AT LSL-1305-002 P-1305 SUCT 2ND FLR SGO	0 75	Yearly-10	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 3	1305-V-25	Valve	Valve-Uncategorized	DRN VLV SUCT SDE OF P-1305 2ND FLR SGO	0 75	Quarterly-1	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 3	1305-V-25 1	Connector	POEL	PLUG SUCT SDE OF P-1305 2ND FLR SGO	0 75	Yearly-10	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 3	1305-V-25 2	Connector	Connector-Uncategori	FLG SUCT SDE OF P-1305 2ND FLR SGO	3	Yearly-10	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 3	1305-V-26	Valve	Valve-Uncategorized	BLD VLV DISCH SDE OF P-1305 2ND FLR SGO	0 75	Quarterly-1	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 3	1305-V-26 1	Connector	POEL	PLUG DISCH SDE OF P-1305 2ND FLR SGO	0 75	Yearly-10	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 3	1305-V-27	Valve	Valve-Uncategorized	BALL VLV AT PT-1305-006 P-1305 DISCH 2ND FLR SGO	0 75	Quarterly-1	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 3	1305-V-27 1	Valve	Valve-Uncategorized	NEDL VLV AT PT-1305-006 P-1305 DISCH 2ND FLR SGO	0 5	Quarterly-1	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 3	1305-V-28	Valve	Valve-Uncategorized	CHK VLV DISCH SDE OF P-1305 2ND FLR SGO	1 5	Quarterly-1	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 3	1305-V-29	Valve	Valve-Uncategorized	BALL VLV DISCH SDE OF P-1305 2ND FLR SGO	1 5	Quarterly-1	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 3	1305-V-29 1	Connector	Connector-Uncategori	FLG AT FT-1305-003 P-1305 DISCH 2ND FLR SGO	1 5	Yearly-10	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 3	1305-V-29 2	Connector	Connector-Uncategori	FLG AT FT-1305-003 P-1305 DISCH 2ND FLR SGO	1 5	Yearly-10	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 3	P-1305	Pump	Pump-Uncategorized	PUMP SEAL FOR P-1305 2ND FLR SGO	0	Monthly	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 3	P-1305 2	Connector	Connector-Uncategori	FLG DISCH SDE OF P-1305 2ND FLR SGO	1 5	Yearly-10	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 3	PSE-1303-002	Press Relief Device	Pressure Relief Valv	RUP DISC AT CEILING ABV S END OF Z1306 1ST FLR SGO	2	Never	Vapor			Unsafe location to monitor
BASF Wyandotte	RCRA BB	JPP	Resin 3	R-1305 1	Connector	Connector-Uncategori	BF AT P-1305 PUMP HEAD 2ND FLR SGO	0 75	Yearly-10	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 3	XV-1181-013	Valve	Valve-Uncategorized	CNTRL VLV TO D-1053 ON PLTF N OF D-1181 1ST FLR SGO	2	Quarterly-1	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 3	XV-1181-013 1	Connector	Connector-Uncategori	VEFB TO D-1053 ON PLTF N OF D-1181 1ST FLR SGO	2	Yearly-10	Light Liquid		Insulation	
BASF Wyandotte	RCRA BB	JPP	Resin 3	XV-1181-013 2	Connector	Connector-Uncategori	VEFT TO D-1053 ON PLTF N OF D-1181 1ST FLR SGO	2	Yearly-10	Light Liquid		Insulation	

SITE	Regulation	Area	Sub Area	Tag #	Equipment	Type	Description	Size	Frequency	Chem State	EX Reason	DM Reason	UM Reason
BASF Wyandotte	RCRA BB	JPP	Resin 3	XV-1302-003	Valve	Valve-Uncategorized	CNTRL VLV ABV N SDE OF WFE-1303 3RD FLR SGO	2	Quarterly-1	Heavy Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 3	XV-1302-003 1	Connector	Connector-Uncategori	VEFN ABV N SDE OF WFE-1303 3RD FLR SGO	2	Yearly-10	Heavy Liquid		Insulation	
BASF Wyandotte	RCRA BB	JPP	Resin 3	XV-1303-006	Valve	Valve-Uncategorized	CNTRL VLV WFE-1303 DUMP TO D-1054 2ND FLR SGO	3	Quarterly-1	Heavy Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 3	XV-1303-006 1	Connector	Connector-Uncategori	VEFW WFE-1303 DUMP TO D-1054 2ND FLR SGO	3	Yearly-10	Heavy Liquid		Insulation	
BASF Wyandotte	RCRA BB	JPP	Resin 3	XV-1303-017	Valve	Valve-Uncategorized	CNTRL VLV BTM E END OF WFE-1303 3RD FLR SGO	2	Quarterly-1	Heavy Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 3	XV-1303-017 1	Connector	Connector-Uncategori	FLG BTM E END OF WFE-1303 3RD FLR SGO	2	Yearly-10	Heavy Liquid		Insulation	
BASF Wyandotte	RCRA BB	JPP	Resin 3	XV-1303-017 2	Connector	Connector-Uncategori	VEFT BTM E END OF WFE-1303 3RD FLR SGO	2	Yearly-10	Heavy Liquid		Insulation	
BASF Wyandotte	RCRA BB	JPP	Resin 3	XV-1303-017 3	Connector	Connector-Uncategori	VEFB BTM E END OF WFE-1303 3RD FLR SGO	2	Yearly-10	Heavy Liquid		Insulation	
BASF Wyandotte	RCRA BB	JPP	Resin 3	XV-1304-007	Valve	Valve-Uncategorized	CNTRL VLV ABV SW SDE OF D-1304 2ND FLR SGO	2	Quarterly-1	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 3	XV-1304-007 1	Connector	Connector-Uncategori	VEFE ABV SW SDE OF D-1304 2ND FLR SGO	2	Yearly-10	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 3	XV-1305-006	Valve	Valve-Uncategorized	CNTRL VLV AT N2 SUCT SDE OF P-1305 2ND FLR SGO	1	Quarterly-1	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 3	XV-1305-006 1	Connector	Connector-Uncategori	VEFN AT N2 SUCT SDE OF P-1305 2ND FLR SGO	1	Yearly-10	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 3	XV-1305-007	Valve	Valve-Uncategorized	CNTRL VLV SUCT SDE OF P-1305 2ND FLR SGO	2	Quarterly-1	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 3	XV-1305-007 1	Connector	Connector-Uncategori	FLG BTM OF D-1305 P-1305 SUCT 2ND FLR SGO	3	Yearly-10	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 3	XV-1305-007 2	Connector	Connector-Uncategori	VEFW SUCT SDE OF P-1305 2ND FLR SGO	2	Yearly-10	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 3	XV-1305-007 3	Connector	Connector-Uncategori	VEFE SUCT SDE OF P-1305 2ND FLR SGO	2	Yearly-10	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 3	XV-1305-009	Valve	Valve-Uncategorized	CNTRL VLV DISCH SDE OF P-1305 2ND FLR SGO	1 5	Quarterly-1	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 3	XV-1305-009 1	Connector	Connector-Uncategori	VEFB DISCH SDE OF P-1305 2ND FLR SGO	1 5	Yearly-10	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 3	XV-1305-009 2	Connector	Connector-Uncategori	VEFT DISCH SDE OF P-1305 2ND FLR SGO	1 5	Yearly-10	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 3	XV-1306-002	Valve	Valve-Uncategorized	CNTRL VLV BACK LEG SE SDE OF Z-1306 1ST FLR SGO	4	Quarterly-1	Heavy Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 3	XV-1306-002 1	Connector	Connector-Uncategori	VEFS BACK LEG SE SDE OF Z-1306 1ST FLR SGO	4	Yearly-10	Heavy Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 3	XV-1306-003	Valve	Valve-Uncategorized	CNTRL VLV SOLV 2 BACKLEG SE SDE Z-1306 1ST FLR SGO	2	Quarterly-1	Heavy Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 3	XV-1306-003 1	Connector	Connector-Uncategori	VEFB SOLV 2 BACKLEG SE SDE Z-1306 1ST FLR SGO	2	Yearly-10	Heavy Liquid		Insulation	
BASF Wyandotte	RCRA BB	JPP	Resin 4	4100-V-12 1	Connector	Screwed Connector	90 AT PI P-4100 DISCH SW OF 4100 BELT 1ST FLR SGO	0 5	Yearly-01	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 4	4100-V-28	Valve	Valve-Uncategorized	DRN VLV DNST OF FT-001 S OF D-4101 3RD FLR SGO	0 75	Quarterly-1	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 4	4100-V-29	Valve	Valve-Uncategorized	VLV DNST OF FT-001 S OF D-4101 3RD FLR SGO	2	Quarterly-1	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 4	4100-V-41	Valve	Valve-Uncategorized	SAMPLE VLV OVHD BTM OF D-4100 3RD FLR SGO	2	Quarterly-1	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 4	4100-V-42	Valve	Valve-Uncategorized	VLV AT N2 P-4100 SUCT SW OF 4100 BELT 1ST FLR SGO	1	Quarterly-1	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 4	4100-V-46	Valve	Valve-Uncategorized	VLV FROM D-4100 S OF D-4101 3RD FLR SGO	1	Quarterly-1	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 4	4101-A1	Connector	Flange	FLG BLW AGI TOP OF D-4101 3RD FLR SGO	10	Yearly-01	Vapor			
BASF Wyandotte	RCRA BB	JPP	Resin 4	4101-C-01	Potential-OEL	Cap-Flg	CAP P-4101 DISCH 2ND FLR SGO	0 75	Yearly-01	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 4	4101-C-02	Potential-OEL	Cap-Flg	CAP P-4101 DISCH 2ND FLR SGO	0 75	Yearly-01	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 4	4101-C-03	Potential-OEL	Cap-Flg	CAP P-4101 SUCT W OF P-4101 2ND FLR SGO	0 75	Yearly-01	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 4	4101-C-04	Potential-OEL	Cap-Flg	CAP P-4101 SUCT W OF P-4101 2ND FLR SGO	0 75	Yearly-01	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 4	4101-C-05	Potential-OEL	Cap-Flg	CAP AT SHORT STOP TOP OF D-4101 3RD FLR SGO	0 75	Yearly-01	Vapor			
BASF Wyandotte	RCRA BB	JPP	Resin 4	4101-EV1	Connector	Flange	FLG TO RTO TOP OF D-4101 3RD FLR SGO	12	Yearly-01	Vapor			
BASF Wyandotte	RCRA BB	JPP	Resin 4	4101-F1	Connector	Flange	FLG FR D-4100 TOP OF D-4101 3RD FLR SGO	2	Yearly-01	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 4	4101-F2	Connector	Flange	FLG AT SHORT STOP TOP OF D-4101 3RD FLR SGO	2	Yearly-01	Vapor			
BASF Wyandotte	RCRA BB	JPP	Resin 4	4101-V1	Connector	Flange	BF TOP OF D-4101 3RD FLR SGO	3	Yearly-01	Vapor			
BASF Wyandotte	RCRA BB	JPP	Resin 4	4101-V-11	Valve	Valve-Uncategorized	VLV P-4101 SUCT W OF P-4101 2ND FLR SGO	2	Quarterly-1	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 4	4101-V-15	Valve	Check Valve	CKV P-4101 SUCT W OF P-4101 2ND FLR SGO	2	Quarterly-1	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 4	4101-V-16	Valve	Check Valve	CKV CARBITOL LN P-4101 SUCT W OF P-4101 2ND FLR SGO	2	Quarterly-1	Heavy Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 4	4101-V-17	Valve	Valve-Uncategorized	VLV P-4101 SUCT W OF P-4101 2ND FLR SGO	2	Quarterly-1	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 4	4101-V-18	Valve	Valve-Uncategorized	VLV P-4101 DISCH 2ND FLR SGO	2	Quarterly-1	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 4	4101-V-XX	Valve	Check Valve	CKV FR P-4104 P-4101 SUCT W OF P-4101 2ND FLR SGO	1	Quarterly-1	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 4	4104-V-10 2	Potential-OEL	Cap-Flg	CAP P-4104 SUCT S OF D-4104 2ND FLR SGO	0 75	Yearly-01	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 4	4104-V-32	Valve	Valve-Uncategorized	VLV TO PT/PI TOP NE SDE OF D-4104 2ND FLR SGO	0 75	Quarterly-1	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 4	4104-V-32A	Valve	Valve-Uncategorized	VLV TO PI TOP NE SDE OF D-4104 2ND FLR SGO	0 5	Quarterly-1	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 4	4104-V-32A 1	Connector	Screwed Connector	90 TO PI TOP NE SDE OF D-4104 2ND FLR SGO	0 5	Yearly-01	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 4	4104-V-43	Valve	Valve-Uncategorized	VLV ABV FT-001 S OF D-4104 2ND FLR SGO	1	Quarterly-1	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 4	4104-V-44	Valve	Valve-Uncategorized	BLD VLV BLW FT-001 S OF D-4104 2ND FLR SGO	0 75	Quarterly-1	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 4	4104-V-44 1	Potential-OEL	Cap-Flg	CAP BLW FT-001 S OF D-4104 2ND FLR SGO	0 75	Yearly-01	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 4	4104-V-45	Valve	Valve-Uncategorized	BLD VLV ABV FT-001 S OF D-4104 2ND FLR SGO	0 75	Quarterly-1	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 4	4104-V-45 1	Potential-OEL	Cap-Flg	CAP ABV FT-001 S OF D-4104 2ND FLR SGO	0 75	Yearly-01	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 4	4123-V-08A 2	Connector	Screwed Connector	UNION P-4123 SUCT E SDE Z-4123 SKID 2ND FLR SGO	1	Yearly-01	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 4	A-4104	Agitator	Agitator Seal	AGITATOR SEAL FOR D-4104 TOP CENTER D-4104 2ND FLR SGO	0	Monthly	Vapor			
BASF Wyandotte	RCRA BB	JPP	Resin 4	A-4104 1	Connector	Flange	FLG BLW AGI TOP CENTER D-4104 2ND FLR SGO	6	Yearly-01	Vapor			
BASF Wyandotte	RCRA BB	JPP	Resin 4	A-4105	Agitator	Agitator Seal	AGITATOR SEAL FOR D-4104 TOP CENTER D-4105 1ST FLR SGO	0	Monthly	Vapor			
BASF Wyandotte	RCRA BB	JPP	Resin 4	A-4105 1	Connector	Flange	FLG BLW AGI TOP CENTER D-4105 1ST FLR SGO	6	Yearly-01	Vapor			
BASF Wyandotte	RCRA BB	JPP	Resin 4	D-4101-E1	Connector	Flange	VEFT P-4101 SUCT BTM OF D-4101 2ND FLR SGO	2	Yearly-01	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 4	D-4101-T1	Connector	Flange	FLG AT TZT-002 BTM OF D-4101 2ND FLR SGO	2	Yearly-01	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 4	D-4104 8	Connector	Flange	FLG TO PT/PI TOP NE SDE OF D-4104 2ND FLR SGO	1	Yearly-01	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 4	D-4105 5	Connector	Flange	BF TOP NW SDE OF D-4105 1ST FLR SGO	2	Yearly-01	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 4	D-4105 9	Connector	Plug Connector	PLUG SW SDE OF D-4105 1ST FLR SGO	0 75	Yearly-01	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 4	FO-4100-001	Connector	Flange	FLG AT N2 P-4100 SUCT SW OF 4100 BELT 1ST FLR SGO	1	Yearly-01	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 4	FT-4101-002 1	Connector	Flange	FLG AT FT P-4101 SUCT W OF P-4101 2ND FLR SGO	2	Yearly-01	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 4	FT-4101-002 2	Connector	Flange	FLG AT FT P-4101 SUCT W OF P-4101 2ND FLR SGO	2	Yearly-01	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 4	P-4100 2	Connector	Flange	FLG P-4100 DISCH SW OF 4100 BELT 1ST FLR SGO	1 5	Yearly-01	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 4	P-4100 3	Connector	Flange	FLG P-4100 DISCH SW OF 4100 BELT 1ST FLR SGO	1 5	Yearly-01	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 4	P-4100 4	Connector	Flange	FLG P-4100 DISCH SW OF 4100 BELT 1ST FLR SGO	1 5	Yearly-01	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 4	P-4101-1	Pump	Pmp Seal	PUMP SEAL FOR P-4101-1 2ND FLR SGO	0	Monthly	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 4	P-4102 2	Connector	Flange	FLG P-4102 DISCH N SDE R-4102C 2ND FLR SGO	1	Never	Heavy Liquid	Inaccessible-Insulated		

SITE	Regulation	Area	Sub Area	Tag #	Equipment	Type	Description	Size	Frequency	Chem State	EX Reason	DM Reason	UM Reason
BASF Wyandotte	RCRA BB	JPP	Resin 4	P-4104	Pump	Pmp Seal	PUMP SEAL FOR P-4104 S OF D-4104 2ND FLR SGO	0	Monthly	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 4	PIC-4102-014	Connector	Flange	FLG @ PIC- TO E-4102C/D TOP S SDE R-4102C 2ND FLR SGO	1 5	Yearly-01	Vapor			
BASF Wyandotte	RCRA BB	JPP	Resin 4	PIS-4105-006	Connector	Flange	FLG AT PI P-4105 DISCH N OF D-4105 1ST FLR SGO	2	Yearly-01	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 4	PSE-4101-001	Press Relief Device	PRV-Rupture Disk	RUPTURE DISC TO RTO TOP OF D-4101 3RD FLR SGO	6	Yearly-01	Vapor			
BASF Wyandotte	RCRA BB	JPP	Resin 4	PSE-4102-003	Press Relief Device	PRV-Rupture Disk	RUPTURE DISC TOP S SDE OF R-4102C 2ND FLR SGO	4	Yearly-01	Vapor			
BASF Wyandotte	RCRA BB	JPP	Resin 4	PSE-4104-001	Press Relief Device	PRV-Rupture Disk	RUPTURE DISC TO RTO TOP S SDE OF D-4104 2ND FLR SGO	3	Yearly-01	Vapor			
BASF Wyandotte	RCRA BB	JPP	Resin 4	PSE-4105-001	Press Relief Device	PRV-Rupture Disk	RUPTURE DISC TOP E SDE OF D-4105 1ST FLR SGO	4	Yearly-01	Vapor			
BASF Wyandotte	RCRA BB	JPP	Resin 4	PSV-4101-001	Press Relief Device	Pressure Relief Valv	PSV-001 P-4101 SUCT W OF P-4101 2ND FLR SGO	0 75	Yearly-01	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 4	PSV-4101-001 1	Connector	Flange	VEFB AT PSV-001 P-4101 SUCT W OF P-4101 2ND FLR SGO	0 5	Yearly-01	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 4	PSV-4101-001 2	Connector	Flange	VEFS AT PSV-001 P-4101 SUCT W OF P-4101 2ND FLR SGO	0 75	Yearly-01	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 4	PSV-4101-001 3	Connector	Tube Connector	TU FITT AT PSV-001 P-4101 SUCT W OF P-4101 2ND FLR SGO	0 375	Yearly-01	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 4	PSV-4123-004	Press Relief Device	Pressure Relief Valv	PSV-004 ABV SEPARATOR N END Z-4123 SKID 2ND FLR SGO	1	Yearly-01	Vapor			
BASF Wyandotte	RCRA BB	JPP	Resin 4	PSV-4123-004 1	Connector	Flange	VEFB PSV ABV SEPARATOR N END Z-4123 SKID 2ND FLR SGO	1	Yearly-01	Vapor			
BASF Wyandotte	RCRA BB	JPP	Resin 4	PT-4101-003	Connector	Flange	FLG AT PT-003 P-4101 DISCH 2ND FLR SGO	1 5	Yearly-01	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 4	PV-4102-007A	Valve	Control Valve	PV-007A ABV E-4102B TOP E SDE R-4102B 3RD FLR SGO	2	Never	Vapor			Unsafe location to monitor
BASF Wyandotte	RCRA BB	JPP	Resin 4	PV-4102-007A 1	Connector	Flange	VEFS ABV E-4102B TOP E SDE R-4102B 3RD FLR SGO	2	Never	Vapor			Unsafe location to monitor
BASF Wyandotte	RCRA BB	JPP	Resin 4	PV-4102-007A 2	Connector	Flange	VEFN ABV E-4102B TOP E SDE R-4102B 3RD FLR SGO	2	Never	Vapor			Unsafe location to monitor
BASF Wyandotte	RCRA BB	JPP	Resin 4	PV-4102-013A	Valve	Control Valve	PV-013A BTM OF E-4102D S OF R-4102C 2ND FLR SGO	1	Quarterly-1	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 4	PV-4102-013A 1	Connector	Flange	VEFT BTM OF E-4102D S OF R-4102C 2ND FLR SGO	1	Yearly-01	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 4	TT-4123-003 9	Connector	Screwed Connector	REDUCER COOLER OUTLT W SDE Z-4123 SKID 2ND FLR SGO	1 5	Yearly-01	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 4	WV-4101-001	Valve	Control Valve	WV-001 FROM D-4100 S OF D-4101 3RD FLR SGO	2	Quarterly-1	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 4	WV-4101-001 1	Connector	Flange	VEFN FROM D-4100 S OF D-4101 3RD FLR SGO	2	Yearly-01	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 4	WV-4101-001 2	Connector	Flange	VEFS FROM D-4100 S OF D-4101 3RD FLR SGO	2	Yearly-01	Light Liquid			
BASF Wyandotte	RCRA BB	JPP	Resin 4	XV-1106-001	Valve	Control Valve	XV-001 OVHD SE SDE OF Z-1106 BELT 1ST FLR SGO	1	Never	Heavy Liquid	Inaccessible-Obstructed		
BASF Wyandotte	RCRA BB	JPP	Resin 4	XV-1106-001 1	Connector	Flange	VEFT OVHD SE SDE OF Z-1106 BELT 1ST FLR SGO	1	Never	Heavy Liquid	Inaccessible-Insulated		
BASF Wyandotte	RCRA BB	JPP	Resin 4	XV-1106-001 2	Connector	Flange	VEFB OVHD SE SDE OF Z-1106 BELT 1ST FLR SGO	1	Never	Heavy Liquid	Inaccessible-Insulated		

SITE	Regulation	Area	Sub Area	Tag #	Equipment	Type	Description	Size	Frequency	Chem State	EX Reason	DM Reason	UM Reason

SITE	Regulation	Area	Sub Area	Tag #	Equipment	Type	Description	Size	Frequency	Chem State	EX Reason	DM Reason	UM Reason

MONTHLY DISCHARGE MONITORING REPORT

Select Monitoring Point: 001A [redacted]

FID: 1684 RRSET: 9956 RRFORM: 19908

PERMITTEE NAME:	BASF-Wyandotte	**PERMIT NUMBER:**	MI0000540	**DISTRICT:**	Southeast Michigan
MAILING ADDRESS.	1609 Biddle Avenue Wyandotte, MI 481923799	**MONITORING POINT:**	001A	**COUNTY:**	Wayne
FACILITY:	BASF-Wyandotte				
LOCATION.	1609 Biddle Avenue Wyandotte, MI 481923799	**MONITORING PERIOD:**	2012-02-01 To 2012-02-29	**NO DISCHARGE FROM SITE:**	☐

PARAMETER		QUANTITY OR LOADING		UNITS	QUALITY OR CONCENTRATION			UNITS	NO. EX.	FREQUENCY OF ANALYSIS
Total Suspended Solids	Sample Measurement	*****	*****		*****	19 8	42		0	5X Weekly
PARM Code 00530 Mon Site No 001A Stage 0	Permit Requirement	*****	*****	*****	*****	(report) Maximum Monthly Average	(report) Maximum Daily	mg/l		5X Weekly
Biochemical Oxygen Demand (BOD5)	Sample Measurement	*****	*****		*****	0	0		0	Weekly
PARM Code 00310 Mon Site No 001A Stage 0	Permit Requirement	*****	*****	*****	*****	(report) Maximum Monthly Average	(report) Maximum Daily	mg/l		Weekly
Flow	Sample Measurement	2 63	3 81		*****	*****	*****		0	Daily
PARM Code 50050 Mon Site No 001A Stage 1	Permit Requirement	(report) Maximum Monthly Average	(report) Maximum Daily	MGD	*****	*****	*****	*****		Daily
Total Suspended Solids	Sample Measurement	*****	*****		*****	11 8	23		0	5X Weekly
PARM Code 00530 Mon Site No 001A Stage 1	Permit Requirement	*****	*****	*****	*****	(report) Maximum Monthly Average	(report) Maximum Daily	mg/l		5X Weekly
Biochemical Oxygen Demand (BOD5)	Sample Measurement	*****	*****		*****	3 6	19		0	Weekly
PARM Code 00310 Mon Site No 001A Stage 1	Permit Requirement	*****	*****	*****	*****	(report) Maximum Monthly Average	(report) Maximum Daily	mg/l		Weekly
Total Mercury	Sample Measurement	*****	*****		*****	1 0	*****		0	Monthly
PARM Code 71900 Mon Site No 001A Stage 1	Permit Requirement	*****	*****	*****	*****	(Report) Maximum Monthly	*****	ng/l		Monthly
Temperature (F)	Sample Measurement	*****	*****		*****	45 8	53 9		0	Weekly
PARM Code 00011 Mon Site No 001A Stage 1	Permit Requirement	*****	*****	*****	*****	(report) Maximum Monthly Average	(report) Maximum Daily	F		Weekly
Outfall Observation	Sample Measurement	29	*****		*****	*****	*****		0	Daily
PARM Code 84130 Mon Site No 001A Stage 1	Permit Requirement	(report) Yes/No	*****	yes/no	*****	*****	*****	*****		Daily
pH	Sample Measurement	*****	*****		7 1	*****	7 9		0	Daily
PARM Code 00400 Mon Site No 001A Stage 1	Permit Requirement	*****	*****	*****	6 5 Minimum Daily	*****	9 0 Maximum Daily	S U		Daily
Toluene	Sample Measurement	0 01	*****		*****	0 0003	*****		0	Weekly
PARM Code 34010 Mon Site No 001A Stage 1	Permit Requirement	(report) Maximum Monthly	*****	lbs/day	*****	(report) Maximum Monthly	*****	mg/l		Weekly
Total Suspended Solids	Sample Measurement	0	0		*****	0	0		0	5X Weekly
PARM Code 00530 Mon Site No 001A Stage 2	Permit Requirement	500 Maximum Monthly Average	1800 Maximum Daily	lbs/day	*****	20 Maximum Monthly Average	60 Maximum Daily	mg/l		5X Weekly
Biochemical Oxygen Demand (BOD5)	Sample Measurement	81	407		*****	3 6	19		0	Weekly
PARM Code 00310 Mon Site No 001A Stage 2	Permit Requirement	450 Maximum Monthly Average	1200 Maximum Daily	lbs/day	*****	30 Maximum Monthly Average	80 Maximum Daily	mg/l		Weekly
Flow	Sample Measurement	4 55	5 73		*****	*****	*****		0	Daily
PARM Code 50050 Mon Site No 001A Stage G	Permit Requirement	(report) Maximum Monthly Average	(report) Maximum Daily	MGD	*****	*****	*****	*****		Daily

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (YYYY-MM-DD)
Greg Pflum/General Manager		734-324-6161	2012-03-16

GENERAL REPORT COMMENTS AND EXPLANATION:

SPECIFIC COMMENTS AND EXPLANATION.

ADD SPECIFIC COMMENTS AND EXPLANATION.

ROW Flow / 50050 / 1 / 001A COLUMN Quantity/Loading-Column 1

Input your comment here.

Add Comment Remove Comment

[redacted] [redacted]

Non-Numeric Code Legend (for monthly data entry purpose)

*A	Sampling Equipment Failure
*B	Insufficient Flow for Sampling
*C	Laboratory Problem/Error
*D	Laboratory Results Not Received in Time for Report
*E	This Effluent Limit Not Applicable this Reporting Period
*F	No Operations this Reporting Period
*G	Monitoring is a Permit Condition/Not Required this Reporting Period
*Y	Fecal Coliform (too numerous to count)
*T	Alternative to TTO Monitoring

Stage Code Legend

0	Intake
1	Final Effluent
2	*Net Value*
G	Influent

DEQ

PLEASE TYPE OR PRINT

FACILITY NAME	NPDES PERMIT NUMBER	OUTFALL NUMBER
BASF Corporation	MI 0000540	North Intake

SAMPLE DATE		12/13/2011	12/14/2011	1/11/2012	1/12/2012	2/24/2012	2/28/2012	2/29/2012	3/1/2012						
PARAMETER	CASNo	Conc (ug/l)	Conc (ug/l)	Conc (ug/l)	Conc (ug/l)	Conc (ug/l)	Conc (ug/l)	Conc (ug/l)	Conc (ug/l)	Conc (ug/l)	Conc (ug/l)	Sample Type	Analytical Method	QL (ug/L)	DL (ug/L)
BOD5		<DL	<DL	<DL	<DL							24-HR comp	SM 18 5210	4000	4000
COD		16000.0	14000.0	16000 0	14000.0							24-HR comp	SM 18 5220 D	10000	10000
MBAS		<DL	<DL	70 0	70.0							24-HR comp	SM 5540 C	40	40
Nitorgen as Ammonia		<DL	260.0	<DL	130.0							24-HR comp	EPA 350.1	100	100
Nitorgen Organic		<DL	<DL	<DL	<DL							24-HR comp		1000	500
Nitrogen Kjeldahl		<DL	<DL	<DL	<DL							24-HR comp	EPA 351.2	1000	500
Nitrogen Nitrate-Nitrite		770.0	810 0	600.0	540.0							24-HR comp	EPA 351.2	200	200
Total Phosphrous	7723-14-0	102.0	<DL	<DL	41.0							24-HR comp	SM 2540D	40	4000
Total Suspended solids		28000.0	11000.0	15000 0	11000.0							24-HR comp	EPA 160.2	4000	4000
Total Dissolved Solids		151000.0	137000.0	164000.0	70000 0							24-HR comp	EPA 160.1	10000	10000
Total Organic Carbon		2200.0	3100.0	2100 0	2300.0							24-HR comp	SM 18 5310 B	1000	1000
Total Cyanide		<DL	<DL	<DL	<DL							24-HR comp	EPA 335.2	10	10
Fats, Oils, Greases		<DL	1340 0	<DL	<DL							Grab	EPA 1664 A	1800	2000
Total Phenols		<DL	<DL	<DL	<DL							24-HR comp	EPA 625	1	50
Total Residual Chlorine		NA	NA	NA	NA							Grab	EPA 330.1	0 1	0.1
Arochor1016	12674-11-2	<DL	<DL	<DL	<DL							24-HR comp	EPA 625	0 05	0.3
Aroclor 1221	11104-28-2	<DL	<DL	<DL	<DL							24-HR comp	EPA 625	0 05	0.1
Aroclor 1232	11141-16-5	<DL	<DL	<DL	<DL							24-HR comp	EPA 625	0.05	0.1
Arochor 1242	53469-21-9	<DL	<DL	<DL	<DL							24-HR comp	EPA 625	0 05	0.1
Arochor1248	12672-29-6	<DL	<DL	<DL	<DL							24-HR comp	EPA 625	0 06	0.5
Arochor1254	11097-69-1	<DL	<DL	<DL	<DL							24-HR comp	EPA 625	0 06	0.5
Arochor1260	11096-82-5	<DL	<DL	<DL	<DL							24-HR comp	EPA 625	0.1	0.5
Mercury	7439-97-6	REPORTED IN DMR SEE ATTACHMENT										Grab	EPA 1631	0.00005	0.0005
Mercury	7439-97-6											24-HR comp	EPA 245.1	0.2	0 2
Antimony	7440-36-0	<DL	<DL	<DL	<DL							24-HR comp	EPA 200.7	8	8
Arsenic	7440-38-2	<DL	<DL	<DL	<DL							24-HR comp	EPA 200 7	8	4
Magnesium	7439-95-4	9500.00	9500.00	8700 00	8600.00							24-HR comp	EPA 200 7	500	500
Manganese	7439-96-5	37.00	17.00	15.00	12.00							24-HR comp	EPA 200.7	4	10
Barium	7440-39-3	26.00	24.00	21.00	20.00							24-HR comp	EPA 200 7	4	4
Aluminum	7429-90-5	1210.00	716.00	517.00	369.00							24-HR comp	EPA 200.7	20	100
Iron	7439-89-6	1740.00	796.00	653.00	518 00							24-HR comp	EPA 200.7	20	20
Beryllium	7440-41-7	<DL	<DL	<DL	<DL							24-HR comp	EPA 200.7	1	1
Cadmium	7440-43-9	<DL	<DL	<DL	<DL							24-HR comp	EPA 200 7	1	1
Chromium	7440-47-3	<DL	<DL	<DL	<DL							24-HR comp	EPA 200.7	4	4
Copper	7440-50-8	27.00	12.00	15.00	14.00							24-HR comp	EPA 200.7	4	4
Lead	7439-92-1	<DL	<DL	<DL	<DL							24-HR comp	EPA 200.7	5	4
Nickel	7440-02-0	<DL	<DL	<DL	<DL							24-HR comp	EPA 200.7	4	4
Selenium	7782-49-2	<DL	<DL	<DL	<DL							24-HR comp	EPA 200.7	8	4
Silver	7440-22-4	<DL	<DL	<DL	<DL							24-HR comp	EPA 200.7	4	4
Thallium	7440-28-0	<DL	<DL	<DL	<DL							24-HR comp	EPA 200.7	10	10
Zinc	7440-66-6	61.00	38.00	42.00	42.00							24-HR comp	EPA 200.7	10	10
Acenaphthene	83-32-9	<DL	<DL	<DL	<DL							24-HR comp	625BN	1	1

DEQ

PLEASE TYPE OR PRINT

FACILITY NAME	NPDES PERMIT NUMBER	OUTFALL NUMBER
BASF Corporation	MI 0000540	North Intake

SAMPLE DATE		12/13/2011	12/14/2011	1/11/2012	1/12/2012	2/24/2012	2/28/2012	2/29/2012	3/1/2012						
PARAMETER	CAS NO	Conc (ug/l)	Conc (ug/l)	Conc (ug/l)	Conc (ug/l)	Conc (ug/l)	Conc (ug/l)	Conc (ug/l)	Conc (ug/l)	Conc (ug/l)	Conc (ug/l)	Sample Type	Analytical Method	QL (ug/L)	DL (ug/L)
Acenaphthylene	208-96-8	<DL	<DL	<DL	<DL							24-HR comp	625BN	1	1
Anthracene	120-12-7	<DL	<DL	<DL	<DL							24-HR comp	625BN	1	1
Aldrin	309-00-2	<DL	<DL	<DL	<DL							24-HR comp	625BN	5	7
Benzo(a)anthracene	56-55-3	<DL	<DL	<DL	<DL							24-HR comp	625BN	1	1
Benzo(b)fluoranthene	205-99-2	<DL	<DL	<DL	<DL							24-HR comp	625BN	1	5
Benzo(k)fluoranthene	207-08-9	<DL	<DL	<DL	<DL							24-HR comp	625BN	1	5
Benzo(a)pyrene	50-32-8	<DL	<DL	<DL	<DL							24-HR comp	625BN	1	3
Benzo(ghi)perylene	191-24-2	<DL	<DL	<DL	<DL							24-HR comp	625BN	1	1
Benzyl butyl phthalate	85-68-7	<DL	<DL	<DL	<DL							24-HR comp	625BN	1	1
b -BHC	319-85-7	<DL	<DL	<DL	<DL							24-HR comp	625BN	5	7
d -BHC	319-86-8	<DL	<DL	<DL	<DL							24-HR comp	625BN	5	7
Bis(2-chloroethyl) ether	111-44-4	<DL	<DL	<DL	<DL							24-HR comp	625BN	1	1
Bis(2-chloroethoxy)methane	111-91-1	<DL	<DL	<DL	<DL							24-HR comp	625BN	1	1
Bis(2-ethylhexyl) phthalate	117-81-7	<DL	<DL	<DL	<DL							24-HR comp	625BN	6	1
Bis(2-chloroisopropyl) ether	108-60-1	<DL	3.26	<DL	2.19							24-HR comp	625BN	1	3
4-Bromophenyl phenyl ether	101-55-3	<DL	<DL	<DL	<DL							24-HR comp	625BN	1	1
Chlordane	57-74-9	<DL	<DL	<DL	<DL							24-HR comp	625BN	5	7
2-Chloronaphthalelene	91-58-7	<DL	<DL	<DL	<DL							24-HR comp	625BN	1	1
4-Chlorophenyl phenyl ether	7005-72-3	<DL	<DL	<DL	<DL							24-HR comp	625BN	1	1
Chrysene	218-01-9	<DL	<DL	<DL	<DL							24-HR comp	625BN	1	1
4,4'-DDD	72-54-8	<DL	<DL	<DL	<DL							24-HR comp	625BN	5	7
4,4'-DDE	72-55-9	<DL	<DL	<DL	<DL							24-HR comp	625BN	5	7
4,4'-DDT	50-29-3	<DL	<DL	<DL	<DL							24-HR comp	625BN	5	7
Dibenzo(a,h)anthracene	53-70-3	<DL	<DL	<DL	<DL							24-HR comp	625BN	1	1
Di-n-butylphthalate	84-74-2	<DL	<DL	<DL	<DL							24-HR comp	625BN	5	1
1,3-Dichlorobenzene	541-73-1	<DL	<DL	<DL	<DL							24-HR comp	625BN	1	1
1,2-Dichlorobenzene	95-50-1	<DL	<DL	<DL	<DL							24-HR comp	625BN	1	1
1,4-Dichlorobenzene	106-46-7	<DL	<DL	<DL	<DL							24-HR comp	625BN	1	3
3,3'-Dichlorobenzidine	91-94-1	<DL	<DL	<DL	<DL							24-HR comp	625BN	1	1
Dieldrin	60-57-1	<DL	<DL	<DL	<DL							24-HR comp	625BN	5	7
Diethyl phthalate	84-66-2	<DL	<DL	<DL	<DL							24-HR comp	625BN	1	1
Dimethyl phthalate	131-11-3	<DL	<DL	<DL	<DL							24-HR comp	625BN	1	3
2,4-Dinitrotoluene	121-14-2	<DL	<DL	<DL	<DL							24-HR comp	625BN	1	1
2,6-Dinitrotoluene	606-20-2	<DL	<DL	<DL	<DL							24-HR comp	625BN	1	1
Di-n-octylphthalate	117-84-0	<DL	<DL	<DL	<DL							24-HR comp	625BN	3	3
Endosulfan sulfate	1031-07-8	<DL	<DL	<DL	<DL							24-HR comp	625BN	5	7
Endrin aldehyde	7421-93-4	<DL	<DL	<DL	<DL							24-HR comp	625BN	5	7
Fluoranthene	206-44-0	<DL	<DL	<DL	<DL							24-HR comp	625BN	1	1
Fluorene	86-73-7	<DL	<DL	<DL	<DL							24-HR comp	625BN	1	1
Heptachlor	76-44-8	<DL	<DL	<DL	<DL							24-HR comp	625BN	5	7
Heptchlor epoxide	1024-57-3	<DL	<DL	<DL	<DL							24-HR comp	625BN	5	7
Hexachlorobenzene	118-74-1	<DL	<DL	<DL	<DL							24-HR comp	625BN	1	1

DEQ

PLEASE TYPE OR PRINT

FACILITY NAME	NPDES PERMIT NUMBER	OUTFALL NUMBER
BASF Corporation	MI 0000540	North Intake

SAMPLE DATE :		12/13/2011	12/14/2011	1/11/2012	1/12/2012	2/24/2012	2/28/2012	2/29/2012	3/1/2012						
PARAMETER	CAS No.	Conc. (ug/l)	Conc. (ug/l)	Conc. (ug/l)	Conc. (ug/l)	Conc. (ug/l)	Conc. (ug/l)	Conc. (ug/l)	Conc. (ug/l)	Conc. (ug/l)	Conc. (ug/l)	Sample Type	Analytical Method	QL (ug/L)	DL (ug/L)
Hexachlorobutadiene	87-68-3	<DL	<DL	<DL	<DL							24-HR comp	625BN	3	1
Hexachloroethane	67-72-1	<DL	<DL	<DL	<DL							24-HR comp	625BN	1	1
Indeno(1,2,3-cd)pyrene	193-39-5	<DL	<DL	<DL	<DL							24-HR comp	625BN	1	1
Isophorone	78-59-1	<DL	<DL	<DL	<DL							24-HR comp	625BN	1	1
Naphthalene	91-20-3	<DL	<DL	<DL	<DL							24-HR comp	625BN	3	1
Nitrobenzene	98-95-3	<DL	<DL	<DL	<DL							24-HR comp	625BN	1	3
N-Nitrosodi-n-propylamine	621-64-7	<DL	<DL	<DL	<DL							24-HR comp	625BN	3	1
Phenanthrene	85-01-8	<DL	<DL	<DL	<DL							24-HR comp	625BN	1	1
Pyrene	129-00-0	<DL	<DL	<DL	<DL							24-HR comp	625BN	1	1
Toxaphene	8001-35-2	<DL	<DL	<DL	<DL							24-HR comp	625BN	30	30
1,2,4-Trichlorobenzene	120-82-1	<DL	<DL	<DL	<DL							24-HR comp	625BN	1	1
2-Chlorophenol	95-57-8	<DL	<DL	<DL	<DL							24-HR comp	625ACID	1	1
2,4-Dichlorophenol	120-83-2	<DL	<DL	<DL	<DL							24-HR comp	625ACID	1	1
2,4-Dimethylphenol	105-67-9	<DL	<DL	<DL	<DL							24-HR comp	625ACID	1	8
4,6-Dinitro-o-cresol		<DL	<DL	<DL	<DL							24-HR comp	625ACID	7	7
2,4-Dinitrophenol	51-28-5	<DL	<DL	<DL	<DL							24-HR comp	625ACID	7	7
2-Nitrophenol	88-75-5	<DL	<DL	<DL	<DL							24-HR comp	625ACID	1	1
4-Nitrophenol	100-02-7	<DL	<DL	<DL	<DL							24-HR comp	625ACID	7	7
P-Chloro-m-cresol		<DL	<DL	<DL	<DL							24-HR comp	625ACID	1	1
Pentachlorophenol	87-86-5	<DL	<DL	<DL	<DL							24-HR comp	625ACID	1	7
Phenol	108-95-2	<DL	<DL	<DL	<DL							24-HR comp	625OTHER	1	1
2,4,6-Trichlorophenol	88-06-2	<DL	<DL	<DL	<DL							24-HR comp	625OTHER	1	1
Benzidine	92-87-5	<DL	<DL	<DL	<DL							24-HR comp	625OTHER	4	10
a -BHC	319-84-6	<DL	<DL	<DL	<DL							24-HR comp	625OTHER	5	7
g -BHC	58-89-9	<DL	<DL	<DL	<DL							24-HR comp	625OTHER	5	7
Endosulfan I	959-98-8	<DL	<DL	<DL	<DL							24-HR comp	625OTHER	5	7
Endosulfan II	33213-65-9	<DL	<DL	<DL	<DL							24-HR comp	625OTHER	5	7
Endrin	72-20-8	<DL	<DL	<DL	<DL							24-HR comp	625OTHER	5	7
Hexachlorocylopentadiene	77-47-4	<DL	<DL	<DL	<DL							24-HR comp	625OTHER	5	1
N-Nitrosodimethylamine	62-75-9	<DL	<DL	<DL	<DL							24-HR comp	625OTHER	1	1
N-Nitrosodiphenylamine	86-30-6	<DL	<DL	<DL	<DL							24-HR comp	625OTHER	1	1
Acrylonitrile	107-13-1	<DL	<DL	<DL	<DL							Grab	VOC 8260	2	1
Benzene	71-43-2	<DL	<DL	<DL	<DL							Grab	624PURG	1	1
Bromodichloromethane	75-27-4	<DL	<DL	<DL	<DL							Grab	624PURG	1	1
Bromoform	75-25-2	<DL	<DL	<DL	<DL							Grab	624PURG	1	1
Bromomethane	74-83-9	<DL	<DL	<DL	<DL							Grab	624PURG	1	1
Carbon disulfide	75-15-0	<DL	<DL	<DL	<DL							Grab	624PURG	2	1
Carbon tetrachloride	56-23-5	<DL	<DL	<DL	<DL							Grab	624PURG	1	1
Chlorobenzene	108-90-7	<DL	<DL	<DL	<DL							Grab	624PURG	1	1
Chloroethane	75-00-3	<DL	<DL	<DL	<DL							Grab	624PURG	1	1
2-Chloroethylvinyl ether	110-75-8	<DL	<DL	<DL	<DL							Grab	624PURG	1	2
Chloroform	67-66-3	<DL	<DL	1.25	1.65							Grab	624PURG	1	1

DEQ

PLEASE TYPE OR PRINT

FACILITY NAME	NPDES PERMIT NUMBER	OUTFALL NUMBER
BASF Corporation	MI 0000540	North Intake

SAMPLE DATE		12/13/2011	12/14/2011	1/11/2012	1/12/2012	2/24/2012	2/28/2012	2/29/2012	3/1/2012						
PARAMETER	CAS NO	Conc. (ug/l)	Conc. (ug/l)	Conc. (ug/l)	Conc. (ug/l)	Conc. (ug/l)	Conc. (ug/l)	Conc. (ug/l)	Conc. (ug/l)	Conc. (ug/l)	Conc. (ug/l)	Sample Type	Analytical Method	QL (ug/L)	DL (ug/L)
Chloromethane	74-87-3	<DL	<DL	<DL	<DL							Grab	624PURG	1	2
Dibromochloromethane	124-48-1	<DL	<DL	<DL	<DL							Grab	624PURG	1	1
1,2-Dichlorobenzene	95-50-1	<DL	<DL	<DL	<DL							Grab	624PURG	1	1
1,3-Dichlorobenzene	541-73-1	<DL	<DL	<DL	<DL							Grab	624PURG	1	1
1,4-Dichlorobenzene	106-46-7	<DL	<DL	<DL	<DL							Grab	624PURG	1	1
1,1-Dichloroethane	75-34-3	<DL	<DL	<DL	<DL							Grab	624PURG	1	1
1,2-Dichloroethane	107-06-2	<DL	<DL	<DL	<DL							Grab	624PURG	1	1
1,1-Dichloroethane	75-35-4	<DL	<DL	<DL	<DL							Grab	624PURG	1	1
trans-1,2-Dichloroethene	156-60-5	<DL	<DL	<DL	<DL							Grab	624PURG	1	1
cis-1,2-dichloroethene	156-59-2	<DL	<DL	<DL	<DL							Grab	624PURG	2	1
1,2-Dichloropropane	78-87-5	<DL	<DL	<DL	<DL							Grab	624PURG	1	1
cis-1,3-Dichloropropene	10061-01-5	<DL	<DL	<DL	<DL							Grab	624PURG	1	1
trans-1,3-Dichloropropene	10061-02-6	<DL	<DL	<DL	<DL							Grab	624PURG	1	1
Ethyl benzene	100-41-4	<DL	<DL	<DL	<DL							Grab	624PURG	1	1
2-hexanone	591-78-6	<DL	<DL	<DL	<DL							Grab	624PURG	20	20
Methylene chloride	75-09-2	<DL	<DL	<DL	<DL							Grab	624PURG	1	5
methyl ethyl ketone	78-93-3	<DL	<DL	<DL	<DL							Grab	624PURG	10	
methyl isobutyl ketone	108-10-1	<DL	<DL	<DL	<DL							Grab	624PURG	20	
Styrene	100-42-5	<DL	<DL	<DL	<DL							Grab	624PURG	1	
1,1,2,2-Tetrachloroethane	79-34-5	<DL	<DL	<DL	<DL							Grab	624PURG	1	2
Tetrachloroethene	127-18-4	<DL	<DL	<DL	<DL							Grab	624PURG	1	1
Toluene	108-88-3	<DL	<DL	<DL	<DL							Grab	624PURG	1	1
1,1,1-Trichloroethene	71-55-6	<DL	<DL	<DL	<DL							Grab	624PURG	1	1
1,1,2-Trichloroethene	79-00-5	<DL	<DL	<DL	<DL							Grab	624PURG	1	2
Trichloroethane	79-01-6	<DL	<DL	<DL	<DL							Grab	624PURG	1	2
Vinyl chloride	75-01-4	<DL	<DL	<DL	<DL							Grab	624PURG	1	1

PLEASE TYPE OR PRINT

FACILITY NAME	NPDES PERMIT NUMBER	OUTFALL NUMBER
BASF Corporation	MI 0000540	OUTFALL 003

SAMPLE DATE :		12/13/2011	12/14/2011	1/11/2012	1/12/2012	2/24/2012	2/28/2012	2/29/2012	3/1/2012						
PARAMETER	CASNo	Concl (ug/l)	Concl (ug/l)	Concl (ug/l)	Concl (ug/l)	Concl (ug/l)	Concl (ug/l)	Concl (ug/l)	Concl (ug/l)	Concl (ug/l)	Concl (ug/l)	Sample Type	Analytical Method	QL (ug/L)	DL (ug/L)
1,2-Dichlorobenzene	95-50-1	<DL	<DL	<DL	<DL							Grab	624PURG	1	1
1,3-Dichlorobenzene	541-73-1	<DL	<DL	<DL	<DL							Grab	624PURG	1	1
1,4-Dichlorobenzene	106-46-7	<DL	<DL	<DL	<DL							Grab	624PURG	1	1
1,1-Dichloroethane	75-34-3	<DL	<DL	<DL	<DL							Grab	624PURG	1	1
1,2-Dichloroethane	107-06-2	<DL	<DL	<DL	<DL							Grab	624PURG	1	1
1,1-Dichloroethane	75-35-4	<DL	<DL	<DL	<DL							Grab	624PURG	1	1
trans-1,2-Dichloroethene	156-60-5	<DL	<DL	<DL	<DL							Grab	624PURG	1	1
cis-1,2-dichloroethene	156-59-2	<DL	<DL	<DL	<DL							Grab	624PURG	2	1
1,2-Dichloropropane	78-87-5	3.11	2.14	3.30	3.08							Grab	624PURG	1	1
cis-1,3-Dichloropropene	10061-01-5	<DL	<DL	<DL	<DL							Grab	624PURG	1	1
trans-1,3-Dichloropropene	10061-02-6	<DL	<DL	<DL	<DL							Grab	624PURG	1	1
Ethyl benzene	100-41-4	<DL	<DL	<DL	<DL							Grab	624PURG	1	1
2-hexanone	591-78-6	<DL	<DL	<DL	<DL							Grab	624PURG	20	20
Methylene chloride	75-09-2	<DL	<DL	<DL	<DL							Grab	624PURG	1	5
methyl ethyl ketone	78-93-3	<DL	<DL	<DL	<DL							Grab	624PURG	10	
methyl isobutyl ketone	108-10-1	<DL	<DL	<DL	<DL							Grab	624PURG	20	
Styrene	100-42-5	<DL	<DL	<DL	<DL							Grab	624PURG	1	
1,1,2,2-Tetrachloroethane	79-34-5	<DL	<DL	<DL	<DL							Grab	624PURG	1	2
Tetrachloroethene	127-18-4	<DL	<DL	<DL	<DL							Grab	624PURG	1	1
Toluene	108-88-3	<DL	<DL	<DL	<DL							Grab	624PURG	1	1
1,1,1-Trichloroethene	71-55-6	<DL	<DL	<DL	<DL							Grab	624PURG	1	1
1,1,2-Trichloroethene	79-00-5	<DL	<DL	<DL	<DL							Grab	624PURG	1	2
Trichloroethane	79-01-6	<DL	<DL	<DL	<DL							Grab	624PURG	1	2
Vinyl chloride	75-01-4	<DL	<DL	<DL	<DL							Grab	624PURG	1	1
1,4 dioxane	123-91-1	<DL	<DL	<DL	<DL							Grab	624PURG	200	200
Carbonaceous Biochemical Oxygen Demand		<DL	<DL	<DL	<DL							24-HR comp	5210-B	4000	4000
Acetone	67-64-1	<DL	15.90	<DL	<DL							Grab	624PURG	10	2

DEQ

PLEASE TYPE OR PRINT

FACILITY NAME	NPDES PERMIT NUMBER	OUTFALL NUMBER
BASF Corporation	MI 0000540	002

SAMPLE DATE		12/13/2011	12/14/2011	1/11/2012	1/12/2012	2/24/2012	2/28/2012	2/29/2012	3/1/2012						
PARAMETER	CAS No	Conc (ug/l)	Conc (ug/l)	Conc (ug/l)	Conc (ug/l)	Conc (ug/l)	Conc (ug/l)	Conc (ug/l)	Conc (ug/l)	Conc (ug/l)	Conc (ug/l)	Sample Type	Analytical Method	QL (ug/L)	DL (ug/L)
BOD5		<DL	<DL	<DL	<DL							24-HR comp	SM 18 5210	4000	4000
COD		16000.0	12000.0	10000 0	18000 0							24-HR comp	SM 18 5220 D	10000	10000
Carbonaceous BOD 5-day		<DL	<DL	<DL	<DL							24-HR comp	SM5210B	40	4000
MBAS		60.0	60.0	80.0	70.0							24-HR comp	SM 5540 C	100	40
Nitorgen as Ammonia		150.0	310.0	190.0	180 0							24-HR comp	EPA 350.1	1000	100
Nitorgen Organic		<DL	<DL	<DL	<DL							24-HR comp		1000	500
Nitrogen Kjeldahl		<DL	<DL	<DL	<DL							24-HR comp	EPA 351.2	200	500
Nitrogen Nitrate-Nitrite		600.0	730.0	550.0	490.0							24-HR comp	EPA 351.2	40	200
Total Phosphrous	7723-14-0	73.0	60.0	<DL	<DL							24-HR comp	EPA 365.3	4000	40
Total Suspended solids		21000.0	13000 0	5000.0	12000.0							24-HR comp	EPA 160.2	10000	4000
Total Dissolved Solids		215000.0	195000 0	196000 0	172000.0							24-HR comp	EPA 160.1	1000	10000
Total Organic Carbon		3000.0	3700.0	2500 0	2600.0							24-HR comp	SM 18 5310 B	10	1000
Total Cyanide		<DL	<DL	<DL	<DL							24-HR comp	EPA 335 2	1800	10
Fats, Oils, Greases		<DL	<DL	<DL	<DL							Grab	EPA 1664 A	1	1000
Total Phenols		<DL	<DL	<DL	<DL							24-HR comp	EPA 625	0.1	1
Totol Residual Chlonne												Grab	EPA 330.1	0.05	0.1
Arochor1016	12674-11-2	<DL	<DL	<DL	<DL							24-HR comp	EPA 625	0 05	0.3
Aroclor 1221	11104-28-2	<DL	<DL	<DL	<DL							24-HR comp	EPA 625	0 05	0.1
Aroclor 1232	11141-16-5	<DL	<DL	<DL	<DL							24-HR comp	EPA 625	0.05	0.1
Arochor 1242	53469-21-9	<DL	<DL	<DL	<DL							24-HR comp	EPA 625	0.06	0.1
Arochor1248	12672-29-6	<DL	<DL	<DL	<DL							24-HR comp	EPA 625	0.06	0 5
Arochor1254	11097-69-1	<DL	<DL	<DL	<DL							24-HR comp	EPA 625	0 1	0.5
Arochor1260	11096-82-5	<DL	<DL	<DL	<DL							24-HR comp	EPA 625	0.00005	0.5
Mercury	7439-97-6	REPORTED IN DMR SEE ATTACHED										Grab	EPA 1631	0.2	0.0005
Mercury	7439-97-6	<DL	<DL	<DL	<DL							24-HR comp	EPA 245.1	8	0 2
Antimony	7440-36-0	<DL	<DL	<DL	<DL							24-HR comp	EPA 200.7	8	8
Arsenic	7440-38-2	<DL	<DL	<DL	<DL							24-HR comp	EPA 200.7	500	4
Magnesium	7439-95-4	9500 00	9300.0	8700.00	8600.00							24-HR comp	EPA 200.7	4	500
Manganese	7439-96-5	23.00	14.0	9.00	13.00							24-HR comp	EPA 200.7	4	10
Barium	7440-39-3	26.00	23.0	20.00	21.00							24-HR comp	EPA 200.7	20	4
Aluminum	7429-90-5	875.00	525 0	368 00	422.00							24-HR comp	EPA 200.7	20	100
Iron	7439-89-6	893.00	52 0	368 00	475.00							24-HR comp	EPA 200.7	1	20
Beryllium	7440-41-7	<DL	<DL	<DL	<DL							24-HR comp	EPA 200.7	1	1
Cadmium	7440-43-9	<DL	<DL	<DL	<DL							24-HR comp	EPA 200.7	4	1
Chromium	7440-47-3	<DL	<DL	<DL	<DL							24-HR comp	EPA 200.7	4	4
Copper	7440-50-8	<DL	<DL	<DL	<DL							24-HR comp	EPA 200.7	5	4
Lead	7439-92-1	<DL	<DL	<DL	<DL							24-HR comp	EPA 200 7	4	4
Nickel	7440-02-0	<DL	<DL	<DL	<DL							24-HR comp	EPA 200.7	8	4
Selenium	7782-49-2	<DL	<DL	<DL	<DL							24-HR comp	EPA 200.7	4	4
Silver	7440-22-4	<DL	<DL	<DL	<DL							24-HR comp	EPA 200.7	10	4
Thallium	7440-28-0	<DL	<DL	<DL	<DL							24-HR comp	EPA 200.7	10	10
Zinc	7440-66-6	18.00	17.0	12.00	16.00							24-HR comp	EPA 200.7		10
Acenaphthene	83-32-9	<DL	<DL	<DL	<DL							24-HR comp	625BN	1	1

DEQ

PLEASE TYPE OR PRINT

FACILITY NAME					NPDES PERMIT NUMBER				OUTFALL NUMBER						
BASF Corporation					MI 0000540				002						
SAMPLE DATE :		12/13/2011	12/14/2011	1/11/2012	1/12/2012	2/24/2012	2/28/2012	2/29/2012	3/1/2012						
PARAMETER	CAS No.	Conc. (ug/l)	Conc. (ug/l)	Conc. (ug/l)	Conc. (ug/l)	Conc. (ug/l)	Conc. (ug/l)	Conc. (ug/l)	Conc. (ug/l)	Conc. (ug/l)	Conc. (ug/l)	Sample Type	Analytical Method	QL (ug/L)	DL (ug/L)
Acenaphthylene	208-96-8	<DL	<DL	<DL	<DL							24-HR comp	625BN	1	1
Anthracene	120-12-7	<DL	<DL	<DL	<DL							24-HR comp	625BN	1	1
Aldrin	309-00-2	<DL	<DL	<DL	<DL							24-HR comp	625BN	5	7
Benzo(a)anthracene	56-55-3	<DL	<DL	<DL	<DL							24-HR comp	625BN	1	1
Benzo(b)fluoranthene	205-99-2	<DL	<DL	<DL	<DL							24-HR comp	625BN	1	5
Benzo(k)fluoranthene	207-08-9	<DL	<DL	<DL	<DL							24-HR comp	625BN	1	5
Benzo(a)pyrene	50-32-8	<DL	<DL	<DL	<DL							24-HR comp	625BN	1	3
Benzo(ghi)perylene	191-24-2	<DL	<DL	<DL	<DL							24-HR comp	625BN	1	1
Benzyl butyl phthalate	85-68-7	<DL	<DL	<DL	<DL							24-HR comp	625BN	1	1
b -BHC	319-85-7	<DL	<DL	<DL	<DL							24-HR comp	625BN	5	7
d -BHC	319-86-8	<DL	<DL	<DL	<DL							24-HR comp	625BN	5	7
Bis(2-chloroethyl) ether	111-44-4	1.10	<DL	<DL	<DL							24-HR comp	625BN	1	1
Bis(2-chloroethoxy)methane	111-91-1	<DL	<DL	<DL	<DL							24-HR comp	625BN	1	1
Bis(2-ethylhexyl) phthalate	117-81-7	<DL	<DL	<DL	<DL							24-HR comp	625BN	6	1
Bis(2-chloroisopropyl) ether	108-60-1	3.64	<DL	<DL	<DL							24-HR comp	625BN	1	3
4-Bromophenyl phenyl ether	101-55-3	<DL	<DL	<DL	<DL							24-HR comp	625BN	1	1
Chlordane	57-74-9	<DL	<DL	<DL	<DL							24-HR comp	625BN	5	7
2-Chloronaphthalelene	91-58-7	<DL	<DL	<DL	<DL							24-HR comp	625BN	1	1
4-Chlorophenyl phenyl ether	7005-72-3	<DL	<DL	<DL	<DL							24-HR comp	625BN	1	1
Chrysene	218-01-9	<DL	<DL	<DL	<DL							24-HR comp	625BN	1	1
4,4'-DDD	72-54-8	<DL	<DL	<DL	<DL							24-HR comp	625BN	5	7
4,4'-DDE	72-55-9	<DL	<DL	<DL	<DL							24-HR comp	625BN	5	7
4,4'-DDT	50-29-3	<DL	<DL	<DL	<DL							24-HR comp	625BN	5	7
Dibenzo(a,h)anthracene	53-70-3	<DL	<DL	<DL	<DL							24-HR comp	625BN	1	1
Di-n-butylphthalate	84-74-2	<DL	<DL	<DL	<DL							24-HR comp	625BN	5	1
1,3-Dichlorobenzene	541-73-1	<DL	<DL	<DL	<DL							24-HR comp	625BN	1	1
1,2-Dichlorobenzene	95-50-1	<DL	<DL	<DL	<DL							24-HR comp	625BN	1	1
1,4-Dichlorobenzene	106-46-7	<DL	<DL	<DL	<DL							24-HR comp	625BN	1	3
3,3'-Dichlorobenzidine	91-94-1	<DL	<DL	<DL	<DL							24-HR comp	625BN	1	1
Dieldrin	60-57-1	<DL	<DL	<DL	<DL							24-HR comp	625BN	5	7
Diethyl phthalate	84-66-2	<DL	<DL	<DL	<DL							24-HR comp	625BN	1	1
Dimethyl phthalate	131-11-3	<DL	<DL	<DL	<DL							24-HR comp	625BN	1	3
2,4-Dinitrotoluene	121-14-2	<DL	<DL	<DL	<DL							24-HR comp	625BN	1	1
2,6-Dinitrotoluene	606-20-2	<DL	<DL	<DL	<DL							24-HR comp	625BN	1	1
Di-n-octylphthalate	117-84-0	<DL	<DL	<DL	<DL							24-HR comp	625BN	3	3
Endosulfan sulfate	1031-07-8	<DL	<DL	<DL	<DL							24-HR comp	625BN	5	7
Endrin aldehyde	7421-93-4	<DL	<DL	<DL	<DL							24-HR comp	625BN	5	7
Fluoranthene	206-44-0	<DL	<DL	<DL	<DL							24-HR comp	625BN	1	1
Fluorene	86-73-7	<DL	<DL	<DL	<DL							24-HR comp	625BN	1	1
Heptachlor	76-44-8	<DL	<DL	<DL	<DL							24-HR comp	625BN	5	7
Heptchlor epoxide	1024-57-3	<DL	<DL	<DL	<DL							24-HR comp	625BN	5	7
Hexachlorobenzene	118-74-1	<DL	<DL	<DL	<DL							24-HR comp	625BN	1	1
Hexachlorobutadiene	87-68-3	<DL	<DL	<DL	<DL							24-HR comp	625BN	3	1

DEQ

PLEASE TYPE OR PRINT

FACILITY NAME					NPDES PERMIT NUMBER				OUTFALL NUMBER						
BASF Corporation					MI 0000540				002						
SAMPLE DATE :		12/13/2011	12/14/2011	1/11/2012	1/12/2012	2/24/2012	2/28/2012	2/29/2012	3/1/2012						
PARAMETER	CAS No.	Conc. (ug/l)	Conc. (ug/l)	Conc. (ug/l)	Conc. (ug/l)	Conc. (ug/l)	Conc. (ug/l)	Conc. (ug/l)	Conc. (ug/l)	Conc. (ug/l)	Conc. (ug/l)	Sample Type	Analytical Method	QL (ug/L)	DL (ug/L)
Hexachloroethane	67-72-1	<DL	<DL	<DL	<DL							24-HR comp	625BN	1	1
Indeno(1,2,3-cd)pyrene	193-39-5	<DL	<DL	<DL	<DL							24-HR comp	625BN	1	1
Isophorone	78-59-1	<DL	<DL	<DL	<DL							24-HR comp	625BN	1	1
Naphthalene	91-20-3	<DL	<DL	<DL	<DL							24-HR comp	625BN	3	1
Nitrobenzene	98-95-3	<DL	<DL	<DL	<DL							24-HR comp	625BN	1	3
N-Nitrosodi-n-propylamine	621-64-7	<DL	<DL	<DL	<DL							24-HR comp	625BN	3	1
Phenanthrene	85-01-8	<DL	<DL	<DL	<DL							24-HR comp	625BN	1	1
Pyrene	129-00-0	<DL	<DL	<DL	<DL							24-HR comp	625BN	1	1
Toxaphene	8001-35-2	<DL	<DL	<DL	<DL							24-HR comp	625BN	30	30
1,2,4-Trichlorobenzene	120-82-1	<DL	<DL	<DL	<DL							24-HR comp	625BN	1	1
2-Chlorophenol	95-57-8	<DL	<DL	<DL	<DL							24-HR comp	625ACID	1	1
2,4-Dichlorophenol	120-83-2	<DL	<DL	<DL	<DL							24-HR comp	625ACID	1	1
2,4-Dimethylphenol	105-67-9	<DL	<DL	<DL	<DL							24-HR comp	625ACID	1	8
4,6-Dinitro-o-cresol		<DL	<DL	<DL	<DL							24-HR comp	625ACID	7	7
2,4-Dinitrophenol	51-28-5	<DL	<DL	<DL	<DL							24-HR comp	625ACID	7	7
2-Nitrophenol	88-75-5	<DL	<DL	<DL	<DL							24-HR comp	625ACID	1	1
4-Nitrophenol	100-02-7	<DL	<DL	<DL	<DL							24-HR comp	625ACID	7	7
P-Chloro-m-cresol		<DL	<DL	<DL	<DL							24-HR comp	625ACID	1	1
Pentachlorophenol	87-86-5	<DL	<DL	<DL	<DL							24-HR comp	625ACID	1	7
Phenol	108-95-2	<DL	<DL	<DL	<DL							24-HR comp	625OTHER	1	1
2,4,6-Trichlorophenol	88-06-2	<DL	<DL	<DL	<DL							24-HR comp	625OTHER	1	1
Benzidine	92-87-5	<DL	<DL	<DL	<DL							24-HR comp	625OTHER	4	10
a -BHC	319-84-6	<DL	<DL	<DL	<DL							24-HR comp	625OTHER	5	7
g -BHC	58-89-9	<DL	<DL	<DL	<DL							24-HR comp	625OTHER	5	7
Endosulfan I	959-98-8	<DL	<DL	<DL	<DL							24-HR comp	625OTHER	5	7
Endosulfan II	33213-65-9	<DL	<DL	<DL	<DL							24-HR comp	625OTHER	5	7
Endrin	72-20-8	<DL	<DL	<DL	<DL							24-HR comp	625OTHER	5	7
Hexachlorocylopentadiene	77-47-4	<DL	<DL	<DL	<DL							24-HR comp	625OTHER	5	1
N-Nitrosodimethylamine	62-75-9	<DL	<DL	<DL	<DL							24-HR comp	625OTHER	1	1
N-Nitrosodiphenylamine	86-30-6	<DL	<DL	<DL	<DL							24-HR comp	625OTHER	1	1
Acrylonitrile	107-13-1	<DL	<DL	<DL	<DL							Grab	VOC 8260	2	1
Benzene	71-43-2	<DL	<DL	<DL	<DL							Grab	624PURG	1	1
Bromodichloromethane	75-27-4	<DL	<DL	<DL	<DL							Grab	624PURG	1	1
Bromoform	75-25-2	<DL	<DL	<DL	<DL							Grab	624PURG	1	1
Bromomethane	74-83-9	<DL	<DL	<DL	<DL							Grab	624PURG	1	1
Carbon disulfide	75-15-0	<DL	<DL	<DL	<DL							Grab	624PURG	2	1
Carbon tetrachloride	56-23-5	<DL	<DL	<DL	<DL							Grab	624PURG	1	1
Chlorobenzene	108-90-7	<DL	<DL	<DL	<DL							Grab	624PURG	1	1
Chloroethane	75-00-3	<DL	<DL	<DL	<DL							Grab	624PURG	1	1
2-Chloroethylvinyl ether	110-75-8	<DL	<DL	<DL	<DL							Grab	624PURG	1	2
Chloroform	67-66-3	<DL	<DL	2.36	1.37							Grab	624PURG	1	1
Chloromethane	74-87-3	<DL	<DL	<DL	<DL							Grab	624PURG	1	2
Dibromochloromethane	124-48-1	<DL	<DL	<DL	<DL							Grab	624PURG	1	1

DEQ

PLEASE TYPE OR PRINT

FACILITY NAME	NPDES PERMIT NUMBER	OUTFALL NUMBER
BASF Corporation	MI 0000540	002

SAMPLE DATE :		12/13/2011	12/14/2011	1/11/2012	1/12/2012	2/24/2012	2/28/2012	2/29/2012	3/1/2012						
PARAMETER	CAS No.	Conc. (ug/l)	Conc. (ug/l)	Conc. (ug/l)	Conc. (ug/l)	Conc. (ug/l)	Conc. (ug/l)	Conc. (ug/l)	Conc. (ug/l)	Conc. (ug/l)	Conc. (ug/l)	Sample Type	Analytical Method	QL (ug/L)	DL (ug/L)
1,2-Dichlorobenzene	95-50-1	<DL	<DL	<DL	<DL							Grab	624PURG	1	1
1,3-Dichlorobenzene	541-73-1	<DL	<DL	<DL	<DL							Grab	624PURG	1	1
1,4-Dichlorobenzene	106-46-7	<DL	<DL	<DL	<DL							Grab	624PURG	1	1
1,1-Dichloroethane	75-34-3	<DL	<DL	<DL	<DL							Grab	624PURG	1	1
1,2-Dichloroethane	107-06-2	<DL	<DL	<DL	<DL							Grab	624PURG	1	1
1,1-Dichloroethane	75-35-4	<DL	<DL	<DL	<DL							Grab	624PURG	1	1
trans-1,2-Dichloroethene	156-60-5	<DL	<DL	<DL	<DL							Grab	624PURG	1	1
cis-1,2-dichloroethene	156-59-2	<DL	<DL	<DL	<DL							Grab	624PURG	2	1
1,2-Dichloropropane	78-87-5	<DL	<DL	<DL	<DL							Grab	624PURG	1	1
cis-1,3-Dichloropropene	10061-01-5	<DL	<DL	<DL	<DL							Grab	624PURG	1	1
trans-1,3-Dichloropropene	10061-02-6	<DL	<DL	<DL	<DL							Grab	624PURG	1	1
Ethyl benzene	100-41-4	<DL	<DL	<DL	<DL							Grab	624PURG	1	1
2-hexanone	591-78-6	<DL	<DL	<DL	<DL							Grab	624PURG	20	20
Methylene chloride	75-09-2	<DL	<DL	<DL	<DL							Grab	624PURG	1	5
methyl ethyl ketone	78-93-3	<DL	<DL	<DL	<DL							Grab	624PURG	10	
methyl isobutyl ketone	108-10-1	<DL	<DL	<DL	<DL							Grab	624PURG	20	
Styrene	100-42-5	<DL	<DL	<DL	<DL							Grab	624PURG	1	
1,1,2,2-Tetrachloroethane	79-34-5	<DL	<DL	<DL	<DL							Grab	624PURG	1	2
Tetrachloroethene	127-18-4	<DL	<DL	<DL	<DL							Grab	624PURG	1	1
Toluene	108-88-3	<DL	<DL	<DL	<DL							Grab	624PURG	1	1
1,1,1-Trichloroethene	71-55-6	<DL	<DL	<DL	<DL							Grab	624PURG	1	1
1,1,2-Trichloroethene	79-00-5	<DL	<DL	<DL	<DL							Grab	624PURG	1	2
Trichloroethane	79-01-6	<DL	<DL	<DL	<DL							Grab	624PURG	1	2
Vinyl chloride	75-01-4	<DL	<DL	<DL	<DL							Grab	624PURG	1	1
1,4 dioxane	123-91-1	<DL	<DL	<DL	<DL							Grab	624PURG	200	200
Carbonaceous Biochemical Oxygen Demand		<DL	<DL	<DL	<DL							24-HR comp	5210-B	4000	4000
Acetone	67-64-1	<DL	<DL	<DL	<DL							Grab	624PURG	10	2

DEQ

PLEASE TYPE OR PRINT

FACILITY NAME	NPDES PERMIT NUMBER	OUTFALL NUMBER
BASF Corporation	MI 0000540	OUTFALL 003

SAMPLE DATE :		12/13/2011	12/14/2011	1/11/2012	1/12/2012	2/24/2012	2/28/2012	2/29/2012	3/1/2012						
PARAMETER	CAS No	Conc (ug/l)	Conc (ug/l)	Conc (ug/l)	Conc (ug/l)	Conc (ug/l)	Conc (ug/l)	Conc (ug/l)	Conc (ug/l)	Conc (ug/l)	Conc (ug/l)	Sample Type	Analytical Method	QL (ug/l)	DL (ug/l)
BOD5		6000.00	8000.00	6000.00	6000.00							24-HR comp	SM 18 5210	4000	4000
COD		31000.00	37000 00	22000.00	25000.00							24-HR comp	SM 18 5220 D	10000	10000
Carbonaceous BOD 5-day		6000.0	6000.0	4000.0	5000.0							24-HR comp	SM5210B	40	4000
MBAS		60.00	80.00	70.00	70.00							24-HR comp	SM 5540 C	100	40
Nitorgen as Ammonia		220.00	340.00	270.00	330.00							24-HR comp	EPA 350.1	1000	100
Nitorgen Organic		<DL	<DL	<DL	<DL							24-HR comp		1000	500
Nitrogen Kjeldahl		<DL	<DL	<DL	<DL							24-HR comp	EPA 351.2	200	500
Nitrogen Nitrate-Nitrite		700.00	730.00	510.00	510 00							24-HR comp	EPA 351.2	40	200
Total Phosphrous	7723-14-0	61.00	76.00	64 00	63.00							24-HR comp	EPA 365.3	4000	40
Total Suspended solids		6000.00	3000.00	9000.00	14000.00							24-HR comp	EPA 160.2	10000	4000
Total Dissolved Solids		447000.00	639000.00	335000.00	312000.00							24-HR comp	EPA 160 1	1000	10000
Total Organic Carbon		5900.00	7600.00	5100.00	5100.00							24-HR comp	SM 18 5310 B	10	1000
Total Cyanide			13.00									24-HR comp	EPA 335.2	1800	10
Fats, Oils, Greases		<DL	<DL	<DL	<DL							Grab	EPA 1664 A	1	1000
Total Phenols		<DL	<DL	<DL	<DL							24-HR comp	EPA 625	0.1	1
Totol Residual Chlorine												Grab	EPA 330.1	0.05	0.1
Arochor1016	12674-11-2	<DL	<DL	<DL	<DL							24-HR comp	EPA 625	0.05	0.3
Aroclor 1221	11104-28-2	<DL	<DL	<DL	<DL							24-HR comp	EPA 625	0 05	0.1
Aroclor 1232	11141-16-5	<DL	<DL	<DL	<DL							24-HR comp	EPA 625	0.05	0.1
Arochor 1242	53469-21-9	<DL	<DL	<DL	<DL							24-HR comp	EPA 625	0.06	0.1
Arochor1248	12672-29-6	<DL	<DL	<DL	<DL							24-HR comp	EPA 625	0.06	0.5
Arochor1254	11097-69-1	<DL	<DL	<DL	<DL							24-HR comp	EPA 625	0.1	0.5
Arochor1260	11096-82-5	<DL	<DL	<DL	<DL							24-HR comp	EPA 625	0 00005	0 5
Mercury	7439-97-6	REPORTED IN DMR SEE ATTACHED										Grab	EPA 1631	0 2	0.0005
Mercury	7439-97-6	<DL	<DL	<DL	<DL							24-HR comp	EPA 245.1	8	0.2
Antimony	7440-36-0	<DL	<DL	<DL	<DL							24-HR comp	EPA 200 7	8	8
Arsenic	7440-38-2	<DL	<DL	<DL	<DL							24-HR comp	EPA 200.7	500	4
Magnesium	7439-95-4	9700.00	9400 00	9000.00	8600.00							24-HR comp	EPA 200.7	4	500
Manganese	7439-96-5	33.00	60.00	26.00	31.00							24-HR comp	EPA 200.7	4	10
Barium	7440-39-3	33.00	38.00	26.00	27.00							24-HR comp	EPA 200.7	20	4
Aluminum	7429-90-5	657.00	963.00	301.00	423 00							24-HR comp	EPA 200.7	20	100
Iron	7439-89-6	1040.00	1400.00	734.00	989 00							24-HR comp	EPA 200.7	1	20
Beryllium	7440-41-7	<DL	<DL	<DL	<DL							24-HR comp	EPA 200.7	1	1
Cadmium	7440-43-9	<DL	<DL	<DL	<DL							24-HR comp	EPA 200.7	4	1
Chromium	7440-47-3	<DL	<DL	<DL	<DL							24-HR comp	EPA 200.7	4	4
Copper	7440-50-8	<DL	7.00	7 00	<DL							24-HR comp	EPA 200.7	5	4
Lead	7439-92-1	<DL	<DL	<DL	<DL							24-HR comp	EPA 200.7	4	4
Nickel	7440-02-0	10 00	8.00	10 00	5 00							24-HR comp	EPA 200 7	8	4
Selenium	7782-49-2	<DL	<DL	<DL	<DL							24-HR comp	EPA 200.7	4	4
Silver	7440-22-4	<DL	<DL	<DL	<DL							24-HR comp	EPA 200.7	10	4
Thallium	7440-28-0	<DL	<DL	<DL	<DL							24-HR comp	EPA 200.7	10	10
Zinc	7440-66-6	36 00	86.00	47.00	60.00							24-HR comp	EPA 200.7		10
Acenaphthene	83-32-9	<DL	<DL	<DL	<DL							24-HR comp	625BN	1	1

DEQ

PLEASE TYPE OR PRINT

FACILITY NAME	NPDES PERMIT NUMBER	OUTFALL NUMBER
BASF Corporation	MI 0000540	OUTFALL 003

SAMPLE DATE :		12/13/2011	12/14/2011	1/11/2012	1/12/2012	2/24/2012	2/28/2012	2/29/2012	3/1/2012						
PARAMETER	CASINO	Conc (ug/l)	Conc (ug/l)	Conc (ug/l)	Conc (ug/l)	Conc (ug/l)	Conc (ug/l)	Conc (ug/l)	Conc (ug/l)	Conc (ug/l)	Conc (ug/l)	Sample Type	Analytical Method	QL (ug/L)	DL (ug/L)
Acenaphthylene	208-96-8	<DL	<DL	<DL	<DL							24-HR comp	625BN	1	1
Anthracene	120-12-7	<DL	<DL	<DL	<DL							24-HR comp	625BN	1	1
Aldrin	309-00-2	<DL	<DL	<DL	<DL							24-HR comp	625BN	5	7
Benzo(a)anthracene	56-55-3	<DL	<DL	<DL	<DL							24-HR comp	625BN	1	1
Benzo(b)fluoranthene	205-99-2	<DL	<DL	<DL	<DL							24-HR comp	625BN	1	5
Benzo(k)fluoranthene	207-08-9	<DL	<DL	<DL	<DL							24-HR comp	625BN	1	5
Benzo(a)pyrene	50-32-8	<DL	<DL	<DL	<DL							24-HR comp	625BN	1	3
Benzo(ghi)perylene	191-24-2	<DL	<DL	<DL	<DL							24-HR comp	625BN	1	1
Benzyl butyl phthalate	85-68-7	<DL	<DL	<DL	<DL							24-HR comp	625BN	1	1
b -BHC	319-85-7	<DL	<DL	<DL	<DL							24-HR comp	625BN	5	7
d -BHC	319-86-8	<DL	<DL	<DL	<DL							24-HR comp	625BN	5	7
Bis(2-chloroethyl) ether	111-44-4	<DL	<DL	<DL	<DL							24-HR comp	625BN	1	1
Bis(2-chloroethoxy)methane	111-91-1	<DL	<DL	<DL	<DL							24-HR comp	625BN	1	1
Bis(2-ethylhexyl) phthalate	117-81-7	<DL	<DL	<DL	<DL							24-HR comp	625BN	6	1
Bis(2-chloroisopropyl) ether	108-60-1	43.50	55.80	24.10	32.80							24-HR comp	625BN	1	3
4-Bromophenyl phenyl ether	101-55-3	<DL	<DL	<DL	<DL							24-HR comp	625BN	1	1
Chlordane	57-74-9	<DL	<DL	<DL	<DL							24-HR comp	625BN	5	7
2-Chloronaphthalelene	91-58-7	<DL	<DL	<DL	<DL							24-HR comp	625BN	1	1
4-Chlorophenyl phenyl ether	7005-72-3	<DL	<DL	<DL	<DL							24-HR comp	625BN	1	1
Chrysene	218-01-9	<DL	<DL	<DL	<DL							24-HR comp	625BN	1	1
4,4'-DDD	72-54-8	<DL	<DL	<DL	<DL							24-HR comp	625BN	5	7
4,4'-DDE	72-55-9	<DL	<DL	<DL	<DL							24-HR comp	625BN	5	7
4,4'-DDT	50-29-3	<DL	<DL	<DL	<DL							24-HR comp	625BN	5	7
Dibenzo(a,h)anthracene	53-70-3	<DL	<DL	<DL	<DL							24-HR comp	625BN	1	1
Di-n-butylphthalate	84-74-2	<DL	<DL	<DL	<DL							24-HR comp	625BN	5	1
1,3-Dichlorobenzene	541-73-1	<DL	<DL	<DL	<DL							24-HR comp	625BN	1	1
1,2-Dichlorobenzene	95-50-1	<DL	<DL	<DL	<DL							24-HR comp	625BN	1	1
1,4-Dichlorobenzene	106-46-7	<DL	<DL	<DL	<DL							24-HR comp	625BN	1	3
3,3'-Dichlorobenzidine	91-94-1	<DL	<DL	<DL	<DL							24-HR comp	625BN	1	1
Dieldrin	60-57-1	<DL	<DL	<DL	<DL							24-HR comp	625BN	5	7
Diethyl phthalate	84-66-2	<DL	<DL	<DL	<DL							24-HR comp	625BN	1	1
Dimethyl phthalate	131-11-3	<DL	<DL	<DL	<DL							24-HR comp	625BN	1	3
2,4-Dinitrotoluene	121-14-2	<DL	<DL	<DL	<DL							24-HR comp	625BN	1	1
2,6-Dinitrotoluene	606-20-2	<DL	<DL	<DL	<DL							24-HR comp	625BN	1	1
Di-n-octylphthalate	117-84-0	<DL	<DL	<DL	<DL							24-HR comp	625BN	3	3
Endosulfan sulfate	1031-07-8	<DL	<DL	<DL	<DL							24-HR comp	625BN	5	7
Endrin aldehyde	7421-93-4	<DL	<DL	<DL	<DL							24-HR comp	625BN	5	7
Fluoranthene	206-44-0	<DL	<DL	<DL	<DL							24-HR comp	625BN	1	1
Fluorene	86-73-7	<DL	<DL	<DL	<DL							24-HR comp	625BN	1	1
Heptachlor	76-44-8	<DL	<DL	<DL	<DL							24-HR comp	625BN	5	7
Heptchlor epoxide	1024-57-3	<DL	<DL	<DL	<DL							24-HR comp	625BN	5	7
Hexachlorobenzene	118-74-1	<DL	<DL	<DL	<DL							24-HR comp	625BN	1	1
Hexachlorobutadiene	87-68-3	<DL	<DL	<DL	<DL							24-HR comp	625BN	3	1

DEQ

PLEASE TYPE OR PRINT

FACILITY NAME BASF Corporation					NPDES PERMIT NUMBER MI 0000540				OUTFALL NUMBER OUTFALL 003						
SAMPLE DATE :		12/13/2011	12/14/2011	1/11/2012	1/12/2012	2/24/2012	2/28/2012	2/29/2012	3/1/2012						
PARAMETER	CASNo	Conc (ug/l)	Conc (ug/l)	Conc (ug/l)	Conc (ug/l)	Conc (ug/l)	Conc (ug/l)	Conc (ug/l)	Conc (ug/l)	Conc (ug/l)	Conc (ug/l)	Sample Type	Analytical Method	QL (ug/L)	DL (ug/L)
Hexachloroethane	67-72-1	<DL	<DL	<DL	<DL							24-HR comp	625BN	1	1
Indeno(1,2,3-cd)pyrene	193-39-5	<DL	<DL	<DL	<DL							24-HR comp	625BN	1	1
Isophorone	78-59-1	<DL	<DL	<DL	<DL							24-HR comp	625BN	1	1
Naphthalene	91-20-3	<DL	<DL	<DL	<DL							24-HR comp	625BN	3	1
Nitrobenzene	98-95-3	<DL	<DL	<DL	<DL							24-HR comp	625BN	1	3
N-Nitrosodi-n-propylamine	621-64-7	<DL	<DL	<DL	<DL							24-HR comp	625BN	3	1
Phenanthrene	85-01-8	<DL	<DL	<DL	<DL							24-HR comp	625BN	1	1
Pyrene	129-00-0	<DL	<DL	<DL	<DL							24-HR comp	625BN	1	1
Toxaphene	8001-35-2	<DL	<DL	<DL	<DL							24-HR comp	625BN	30	30
1,2,4-Trichlorobenzene	120-82-1	<DL	<DL	<DL	<DL							24-HR comp	625BN	1	1
2-Chlorophenol	95-57-8	<DL	<DL	<DL	<DL							24-HR comp	625ACID	1	1
2,4-Dichlorophenol	120-83-2	<DL	<DL	<DL	<DL							24-HR comp	625ACID	1	1
2,4-Dimethylphenol	105-67-9	<DL	<DL	<DL	<DL							24-HR comp	625ACID	1	8
4,6-Dinitro-o-cresol		<DL	<DL	<DL	<DL							24-HR comp	625ACID	7	7
2,4-Dinitrophenol	51-28-5	<DL	<DL	<DL	<DL							24-HR comp	625ACID	7	7
2-Nitrophenol	88-75-5	<DL	<DL	<DL	<DL							24-HR comp	625ACID	1	1
4-Nitrophenol	100-02-7	<DL	<DL	<DL	<DL							24-HR comp	625ACID	7	7
P-Chloro-m-cresol		<DL	<DL	<DL	<DL							24-HR comp	625ACID	1	1
Pentachlorophenol	87-86-5	<DL	<DL	<DL	<DL							24-HR comp	625ACID	1	7
Phenol	108-95-2	<DL	<DL	<DL	<DL							24-HR comp	625OTHER	1	1
2,4,6-Trichlorophenol	88-06-2	<DL	<DL	<DL	<DL							24-HR comp	625OTHER	1	1
Benzidine	92-87-5	<DL	<DL	<DL	<DL							24-HR comp	625OTHER	4	10
a -BHC	319-84-6	<DL	<DL	<DL	<DL							24-HR comp	625OTHER	5	7
g -BHC	58-89-9	<DL	<DL	<DL	<DL							24-HR comp	625OTHER	5	7
Endosulfan I	959-98-8	<DL	<DL	<DL	<DL							24-HR comp	625OTHER	5	7
Endosulfan II	33213-65-9	<DL	<DL	<DL	<DL							24-HR comp	625OTHER	5	7
Endrin	72-20-8	<DL	<DL	<DL	<DL							24-HR comp	625OTHER	5	7
Hexachlorocylopentadiene	77-47-4	<DL	<DL	<DL	<DL							24-HR comp	625OTHER	5	1
N-Nitrosodimethylamine	62-75-9	<DL	<DL	<DL	<DL							24-HR comp	625OTHER	1	1
N-Nitrosodiphenylamine	86-30-6	<DL	<DL	<DL	<DL							24-HR comp	625OTHER	1	1
Acrylonitrile	107-13-1	<DL	<DL	<DL	<DL							Grab	VOC 8260	2	1
Benzene	71-43-2	<DL	<DL	<DL	<DL							Grab	624PURG	1	1
Bromodichloromethane	75-27-4	<DL	<DL	<DL	<DL							Grab	624PURG	1	1
Bromoform	75-25-2	<DL	<DL	<DL	<DL							Grab	624PURG	1	1
Bromomethane	74-83-9	<DL	<DL	<DL	<DL							Grab	624PURG	1	1
Carbon disulfide	75-15-0	<DL	<DL	<DL	<DL							Grab	624PURG	2	1
Carbon tetrachloride	56-23-5	<DL	<DL	<DL	<DL							Grab	624PURG	1	1
Chlorobenzene	108-90-7	<DL	<DL	<DL	<DL							Grab	624PURG	1	1
Chloroethane	75-00-3	<DL	<DL	<DL	<DL							Grab	624PURG	1	1
2-Chloroethylvinyl ether	110-75-8	<DL	<DL	<DL	<DL							Grab	624PURG	1	2
Chloroform	67-66-3	<DL	<DL	<DL	1.97							Grab	624PURG	1	1
Chloromethane	74-87-3	<DL	<DL	<DL	<DL							Grab	624PURG	1	2
Dibromochloromethane	124-48-1	<DL	<DL	<DL	<DL							Grab	624PURG	1	1

DEQ

PLEASE TYPE OR PRINT

FACILITY NAME	NPDES PERMIT NUMBER	OUTFALL NUMBER
BASF Corporation	MI 0000540	001

SAMPLE DATE :		12/13/2011	12/14/2011	1/11/2012	1/12/2012										
PARAMETER	CAS No.	Conc. (ug/l)	Conc. (ug/l)	Conc. (ug/l)	Conc (ug/l)	Conc. (ug/l)	Conc. (ug/l)	Conc (ug/l)	Conc. (ug/l)	Conc. (ug/l)	Conc. (ug/l)	Sample Type *	Analytical Method	QL (ug/L)	DL (ug/L)
BOD5		<DL	<DL	<DL	<DL							24-HR comp	SM 18 5210	4000	4000
COD		29000 00	20000 00	31000.00	33000 00							24-HR comp	SM 18 5220 D	10000	10000
MBAS		60.00	80.00	80.00	80.00							24-HR comp	SM 5540 C	40	40
Nitorgen as Ammonia		<DL	280 00	<DL	12.00							24-HR comp	EPA 350.1	100	100
Nitorgen Organic		<DL	<DL	<DL	<DL							24-HR comp		1000	500
Nitrogen Kjeldahl		<DL	<DL	<DL	<DL							24-HR comp	EPA 351.2	1000	500
Nitrogen Nitrate-Nitrite		770.00	750 00	860 00	670.00							24-HR comp	EPA 351.2	200	200
Total Phosphrous	7723-14-0	363 00	166 00	214 00	137.00							24-HR comp	EPA 365.3	40	40
Total Suspended solids		6000.00	7000 00	9000.00	10000.00							24-HR comp	EPA 160 2	4000	4000
Total Dissolved Solids		189000.00	187000.00	182000.00	165000.00							24-HR comp	EPA 160.1	10000	10000
Total Organic Carbon		3200 00	4300.00	5700.00	5700.00							24-HR comp	SM 18 5310 B	1000	1000
Total Cyanide		<DL	<DL	<DL	<DL							24-HR comp	EPA 335.2	10	10
Fats, Oils, Greases		1820.00	2860 00	<DL	<DL							Grab	EPA 1664 A	1800	1000
Total Phenols		<DL	<DL	<DL	<DL							24-HR comp	EPA 625	1	1
Totol Residual Chlorine												Grab	EPA 330 1	0.1	0.1
Arochor1016	12674-11-2	<DL	<DL	<DL	<DL							24-HR comp	EPA 625	0.05	0 3
Aroclor 1221	11104-28-2	<DL	<DL	<DL	<DL							24-HR comp	EPA 625	0.05	0.1
Aroclor 1232	11141-16-5	<DL	<DL	<DL	<DL							24-HR comp	EPA 625	0.05	0.1
Arochor 1242	53469-21-9	<DL	<DL	<DL	<DL							24-HR comp	EPA 625	0.05	0 1
Arochor1248	12672-29-6	<DL	<DL	<DL	<DL							24-HR comp	EPA 625	0.06	0.5
Arochor1254	11097-69-1	<DL	<DL	<DL	<DL							24-HR comp	EPA 625	0 06	0.5
Arochor1260	11096-82-5	<DL	<DL	<DL	<DL							24-HR comp	EPA 625	0.1	0.5
Mercury	7439-97-6	REPORTED IN DMR SEE ATTACHED FOR DATA										Grab	EPA 1631	0.00005	0 0005
Mercury	7439-97-6	<DL	<DL	<DL	<DL							24-HR comp	EPA 245.1	0 2	0.2
Antimony	7440-36-0	<DL	<DL	<DL	<DL							24-HR comp	EPA 200 7	8	8
Arsenic	7440-38-2	<DL	<DL	<DL	<DL							24-HR comp	EPA 200.7	8	4
Magnesium	7439-95-4	8500.00	9000.00	8300.00	8100.00							24-HR comp	EPA 200 7	500	500
Manganese	7439-96-5	9.00	19.00	12.00	14.00							24-HR comp	EPA 200 7	4	10
Barium	7440-39-3	19.00	23.00	20.00	19.00							24-HR comp	EPA 200.7	4	4
Aluminum	7429-90-5	249.00	592.00	365.00	325.00							24-HR comp	EPA 200.7	20	100
Iron	7439-89-6	315.00	772.00	510.00	487.00							24-HR comp	EPA 200.7	20	20
Beryllium	7440-41-7	<DL	<DL	<DL	<DL							24-HR comp	EPA 200.7	1	1
Cadmium	7440-43-9	<DL	<DL	<DL	<DL							24-HR comp	EPA 200.7	1	1
Chromium	7440-47-3	<DL	<DL	<DL	<DL							24-HR comp	EPA 200.7	4	4
Copper	7440-50-8	<DL	<DL	<DL	<DL							24-HR comp	EPA 200.7	4	4
Lead	7439-92-1	<DL	<DL	<DL	<DL							24-HR comp	EPA 200 7	5	4
Nickel	7440-02-0	<DL	<DL	<DL	<DL							24-HR comp	EPA 200.7	4	4
Selenium	7782-49-2	<DL	<DL	<DL	<DL							24-HR comp	EPA 200.7	8	4
Silver	7440-22-4	<DL	<DL	<DL	<DL							24-HR comp	EPA 200.7	4	4
Thallium	7440-28-0	<DL	<DL	<DL	<DL							24-HR comp	EPA 200.7	10	10
Zinc	7440-66-6	20 00	22 00	13 00	15.00							24-HR comp	EPA 200.7	10	10
Acenaphthene	83-32-9	<DL	<DL	<DL	<DL							24-HR comp	625BN	1	1
Acenaphthylene	208-96-8	<DL	<DL	<DL	<DL							24-HR comp	625BN	1	1

PLEASE TYPE OR PRINT

FACILITY NAME	NPDES PERMIT NUMBER	OUTFALL NUMBER
BASF Corporation	MI 0000540	001

SAMPLE DATE :		12/13/2011	12/14/2011	1/11/2012	1/12/2012										
PARAMETER	CAS No.	Conc. (ug/l)	Conc. (ug/l)	Conc (ug/l)	Conc. (ug/l)	Conc. (ug/l)	Conc. (ug/l)	Conc. (ug/l)	Conc. (ug/l)	Conc. (ug/l)	Conc. (ug/l)	Sample Type *	Analytical Method	QL (ug/L)	DL (ug/L)
Anthracene	120-12-7	<DL	<DL	<DL	<DL							24-HR comp	625BN	1	1
Aldrin	309-00-2	<DL	<DL	<DL	<DL							24-HR comp	625BN	5	7
Benzo(a)anthracene	56-55-3	<DL	<DL	<DL	<DL							24-HR comp	625BN	1	1
Benzo(b)fluoranthene	205-99-2	<DL	<DL	<DL	<DL							24-HR comp	625BN	1	5
Benzo(k)fluoranthene	207-08-9	<DL	<DL	<DL	<DL							24-HR comp	625BN	1	5
Benzo(a)pyrene	50-32-8	<DL	<DL	<DL	<DL							24-HR comp	625BN	1	3
Benzo(ghi)perylene	191-24-2	<DL	<DL	<DL	<DL							24-HR comp	625BN	1	1
Benzyl butyl phthalate	85-68-7	<DL	<DL	<DL	<DL							24-HR comp	625BN	1	1
b -BHC	319-85-7	<DL	<DL	<DL	<DL							24-HR comp	625BN	5	7
d -BHC	319-86-8	<DL	<DL	<DL	<DL							24-HR comp	625BN	5	7
Bis(2-chloroethyl) ether	111-44-4	<DL	<DL	<DL	<DL							24-HR comp	625BN	1	1
Bis(2-chloroethoxy)methane	111-91-1	<DL	<DL	<DL	<DL							24-HR comp	625BN	1	1
Bis(2-ethylhexyl) phthalate	117-81-7	<DL	<DL	<DL	<DL							24-HR comp	625BN	6	1
Bis(2-chloroisopropyl) ether	108-60-1	<DL	<DL	<DL	<DL							24-HR comp	625BN	1	3
4-Bromophenyl phenyl ether	101-55-3	<DL	<DL	<DL	<DL							24-HR comp	625BN	1	1
Chlordane	57-74-9	<DL	<DL	<DL	<DL							24-HR comp	625BN	5	7
2-Chloronaphthalelene	91-58-7	<DL	<DL	<DL	<DL							24-HR comp	625BN	1	1
4-Chlorophenyl phenyl ether	7005-72-3	<DL	<DL	<DL	<DL							24-HR comp	625BN	1	1
Chrysene	218-01-9	<DL	<DL	<DL	<DL							24-HR comp	625BN	1	1
4,4'-DDD	72-54-8	<DL	<DL	<DL	<DL							24-HR comp	625BN	5	7
4,4'-DDE	72-55-9	<DL	<DL	<DL	<DL							24-HR comp	625BN	5	7
4,4'-DDT	50-29-3	<DL	<DL	<DL	<DL							24-HR comp	625BN	5	7
Dibenzo(a,h)anthracene	53-70-3	<DL	<DL	<DL	<DL							24-HR comp	625BN	1	1
Di-n-butylphthalate	84-74-2	<DL	<DL	<DL	<DL							24-HR comp	625BN	5	1
1,3-Dichlorobenzene	541-73-1	<DL	<DL	<DL	<DL							24-HR comp	625BN	1	1
1,2-Dichlorobenzene	95-50-1	<DL	<DL	<DL	<DL							24-HR comp	625BN	1	1
1,4-Dichlorobenzene	106-46-7	<DL	<DL	<DL	<DL							24-HR comp	625BN	1	3
3,3'-Dichlorobenzidine	91-94-1	<DL	<DL	<DL	<DL							24-HR comp	625BN	1	1
Dieldrin	60-57-1	<DL	<DL	<DL	<DL							24-HR comp	625BN	5	7
Diethyl phthalate	84-66-2	9.10	3.85	<DL	<DL							24-HR comp	625BN	1	1
Dimethyl phthalate	131-11-3	<DL	<DL	<DL	<DL							24-HR comp	625BN	1	3
2,4-Dinitrotoluene	121-14-2	<DL	<DL	<DL	<DL							24-HR comp	625BN	1	1
2,6-Dinitrotoluene	606-20-2	<DL	<DL	<DL	<DL							24-HR comp	625BN	1	1
Di-n-octylphthalate	117-84-0	<DL	<DL	<DL	<DL							24-HR comp	625BN	3	3
Endosulfan sulfate	1031-07-8	<DL	<DL	<DL	<DL							24-HR comp	625BN	5	7
Endrin aldehyde	7421-93-4	<DL	<DL	<DL	<DL							24-HR comp	625BN	5	7
Fluoranthene	206-44-0	<DL	<DL	<DL	<DL							24-HR comp	625BN	1	1
Fluorene	86-73-7	<DL	<DL	<DL	<DL							24-HR comp	625BN	1	1
Heptachlor	76-44-8	<DL	<DL	<DL	<DL							24-HR comp	625BN	5	7
Heptchlor epoxide	1024-57-3	<DL	<DL	<DL	<DL							24-HR comp	625BN	5	7
Hexachlorobenzene	118-74-1	<DL	<DL	<DL	<DL							24-HR comp	625BN	1	1
Hexachlorobutadiene	87-68-3	<DL	<DL	<DL	<DL							24-HR comp	625BN	3	1
Hexachloroethane	67-72-1	<DL	<DL	<DL	<DL							24-HR comp	625BN	1	1

DEQ

PLEASE TYPE OR PRINT

FACILITY NAME	NPDES PERMIT NUMBER	OUTFALL NUMBER
BASF Corporation	MI 0000540	001

SAMPLE DATE		12/13/2011	12/14/2011	1/11/2012	1/12/2012										
PARAMETER	CAS No.	Conc. (ug/l)	Conc. (ug/l)	Conc. (ug/l)	Conc. (ug/l)	Conc. (ug/l)	Conc (ug/l)	Conc. (ug/l)	Conc (ug/l)	Conc. (ug/l)	Conc. (ug/l)	Sample Type *	Analytical Method	QL (ug/L)	DL (ug/L)
Indeno(1,2,3-cd)pyrene	193-39-5	<DL	<DL	<DL	<DL							24-HR comp	625BN	1	1
Isophorone	78-59-1	<DL	<DL	<DL	<DL							24-HR comp	625BN	1	1
Naphthalene	91-20-3	<DL	<DL	<DL	<DL							24-HR comp	625BN	3	1
Nitrobenzene	98-95-3	<DL	<DL	<DL	<DL							24-HR comp	625BN	1	3
N-Nitrosodi-n-propylamine	621-64-7	<DL	<DL	<DL	<DL							24-HR comp	625BN	3	1
Phenanthrene	85-01-8	<DL	<DL	<DL	<DL							24-HR comp	625BN	1	1
Pyrene	129-00-0	<DL	<DL	<DL	<DL							24-HR comp	625BN	1	1
Toxaphene	8001-35-2	<DL	<DL	<DL	<DL							24-HR comp	625BN	30	30
1,2,4-Trichlorobenzene	120-82-1	<DL	<DL	<DL	<DL							24-HR comp	625BN	1	1
2-Chlorophenol	95-57-8	<DL	<DL	<DL	<DL							24-HR comp	625ACID	1	1
2,4-Dichlorophenol	120-83-2	<DL	<DL	<DL	<DL							24-HR comp	625ACID	1	1
2,4-Dimethylphenol	105-67-9	<DL	<DL	<DL	<DL							24-HR comp	625ACID	1	8
4,6-Dinitro-o-cresol		<DL	<DL	<DL	<DL							24-HR comp	625ACID	7	7
2,4-Dinitrophenol	51-28-5	<DL	<DL	<DL	<DL							24-HR comp	625ACID	7	7
2-Nitrophenol	88-75-5	<DL	<DL	<DL	<DL							24-HR comp	625ACID	1	1
4-Nitrophenol	100-02-7	<DL	<DL	<DL	<DL							24-HR comp	625ACID	7	7
P-Chloro-m-cresol		<DL	<DL	<DL	<DL							24-HR comp	625ACID	1	1
Pentachlorophenol	87-86-5	<DL	<DL	<DL	<DL							24-HR comp	625ACID	1	7
Phenol	108-95-2	<DL	<DL	<DL	<DL							24-HR comp	625OTHER	1	1
2,4,6-Trichlorophenol	88-06-2	<DL	<DL	<DL	<DL							24-HR comp	625OTHER	1	1
Benzidine	92-87-5	<DL	<DL	<DL	<DL							24-HR comp	625OTHER	4	10
a -BHC	319-84-6	<DL	<DL	<DL	<DL							24-HR comp	625OTHER	5	7
g -BHC	58-89-9	<DL	<DL	<DL	<DL							24-HR comp	625OTHER	5	7
Endosulfan I	959-98-8	<DL	<DL	<DL	<DL							24-HR comp	625OTHER	5	7
Endosulfan II	33213-65-9	<DL	<DL	<DL	<DL							24-HR comp	625OTHER	5	7
Endrin	72-20-8	<DL	<DL	<DL	<DL							24-HR comp	625OTHER	5	7
Hexachlorocylopentadiene	77-47-4	<DL	<DL	<DL	<DL							24-HR comp	625OTHER	5	1
N-Nitrosodimethylamine	62-75-9	<DL	<DL	<DL	<DL							24-HR comp	625OTHER	1	1
N-Nitrosodiphenylamine	86-30-6	<DL	<DL	<DL	<DL							24-HR comp	625OTHER	1	1
Acrylonitrile	107-13-1	<DL	<DL	<DL	<DL							Grab	VOC 8260	2	1
Benzene	71-43-2	<DL	<DL	<DL	<DL							Grab	624PURG	1	1
Bromodichloromethane	75-27-4	<DL	<DL	<DL	<DL							Grab	624PURG	1	1
Bromoform	75-25-2	<DL	<DL	<DL	<DL							Grab	624PURG	1	1
Bromomethane	74-83-9	<DL	<DL	<DL	<DL							Grab	624PURG	1	1
Carbon disulfide	75-15-0	<DL	<DL	<DL	<DL							Grab	624PURG	2	1
Carbon tetrachloride	56-23-5	<DL	<DL	<DL	<DL							Grab	624PURG	1	1
Chlorobenzene	108-90-7	<DL	<DL	<DL	<DL							Grab	624PURG	1	1
Chloroethane	75-00-3	<DL	<DL	<DL	<DL							Grab	624PURG	1	1
2-Chloroethylvinyl ether	110-75-8	<DL	<DL	<DL	<DL							Grab	624PURG	1	2
Chloroform	67-66-3	<DL	<DL	1.19	<DL							Grab	624PURG	1	1
Chloromethane	74-87-3	<DL	<DL	<DL	<DL							Grab	624PURG	1	2
Dibromochloromethane	124-48-1	<DL	<DL	<DL	<DL							Grab	624PURG	1	1
1,2-Dichlorobenzene	95-50-1	<DL	<DL	<DL	<DL							Grab	624PURG	1	1

PLEASE TYPE OR PRINT

FACILITY NAME					NPDES PERMIT NUMBER				OUTFALL NUMBER						
BASF Corporation					MI 0000540				001						
SAMPLE DATE :		12/13/2011	12/14/2011	1/11/2012	1/12/2012										
PARAMETER	CAS No.	Conc. (ug/l)	Conc. (ug/l)	Conc. (ug/l)	Conc. (ug/l)	Conc. (ug/l)	Conc. (ug/l)	Conc. (ug/l)	Conc. (ug/l)	Conc. (ug/l)	Conc. (ug/l)	Sample Type *	Analytical Method	QL (ug/L)	DL (ug/L)
1,3-Dichlorobenzene	541-73-1	<DL	<DL	<DL	<DL							Grab	624PURG	1	1
1,4-Dichlorobenzene	106-46-7	<DL	<DL	<DL	<DL							Grab	624PURG	1	1
1,1-Dichloroethane	75-34-3	<DL	<DL	<DL	<DL							Grab	624PURG	1	1
1,2-Dichloroethane	107-06-2	<DL	<DL	<DL	<DL							Grab	624PURG	1	1
1,1-Dichloroethane	75-35-4	<DL	<DL	<DL	<DL							Grab	624PURG	1	1
trans-1,2-Dichloroethene	156-60-5	<DL	<DL	<DL	<DL							Grab	624PURG	1	1
cis-1,2-dichloroethene	156-59-2	<DL	<DL	<DL	<DL							Grab	624PURG	2	1
1,2-Dichloropropane	78-87-5	<DL	<DL	<DL	<DL							Grab	624PURG	1	1
cis-1,3-Dichloropropene	10061-01-5	<DL	<DL	<DL	<DL							Grab	624PURG	1	1
trans-1,3-Dichloropropene	10061-02-6	<DL	<DL	<DL	<DL							Grab	624PURG	1	1
Ethyl benzene	100-41-4	18.20	30.30	9.49	4.23							Grab	624PURG	1	1
2-hexanone	591-78-6	<DL	<DL	<DL	<DL							Grab	624PURG	20	20
Methylene chloride	75-09-2	<DL	<DL	<DL	<DL							Grab	624PURG	1	5
methyl ethyl ketone	78-93-3	<DL	<DL	<DL	<DL							Grab	624PURG	10	
methyl isobutyl ketone	108-10-1	<DL	<DL	<DL	<DL							Grab	624PURG	20	
Styrene	100-42-5	<DL	<DL	<DL	<DL							Grab	624PURG	1	
1,1,2,2-Tetrachloroethane	79-34-5	<DL	<DL	<DL	<DL							Grab	624PURG	1	2
Tetrachloroethene	127-18-4	<DL	<DL	<DL	<DL							Grab	624PURG	1	1
Toluene	108-88-3	2 54	4.40	2.62	2.74							Grab	624PURG	1	1
1,1,1-Trichloroethene	71-55-6	<DL	<DL	<DL	<DL							Grab	624PURG	1	1
1,1,2-Trichloroethene	79-00-5	<DL	<DL	<DL	<DL							Grab	624PURG	1	2
Trichloroethane	79-01-6	<DL	<DL	<DL	<DL							Grab	624PURG	1	2
Vinyl chloride	75-01-4	<DL	<DL	<DL	<DL							Grab	624PURG	1	1
1,4 dioxane	123-91-1	<DL	<DL	<DL	<DL							Grab	624PURG	200	200
Carbonaceous Biochemical Oxygen Demand		<DL	<DL	<DL	<DL							24-HR comp	5210-B	4000	4000
Acetone	67-64-1	<DL	15.9	<DL	<DL							Grab	624PURG	10	2

* note 0.5 in bold indicates
a non-detect @ 0.5 ng/L

2008 Sampling Events and MRA Outfalls 003

Sample Date	North Intake ng/L	Outfall 003 ng/L	003 MRA ng/L	lbs Mercury Discharged
1/3/2008	1.1900	4.5800	13.0850	0.0001
1/4/2008	1 6100	3 3900	11 9663	0 0001
1/8/2008	1.8300	12 1000	12.0506	0.0002
1/11/2008	1.8800	5 9900	12.2712	0 0001
1/17/2008	1 0000	4.5200	11.8685	0.0001
1/22/2008	1 4900	3.7300	9.9208	0.0001
1/25/2008	0 6300	7.2300	9.8049	0.0001
1/29/2008	0 2500	1.5500	9 4033	0.0000
2/5/2008	0.8980	6.5500	9 0041	0 0002
2/8/2008	1 1500	2.3000	8.9277	0.0001
2/13/2008	0.5000	5.2200	9.8331	0.0001
2/14/2008	1 2800	5.8900	9.6631	0.0001
2/21/2008	0.7100	4 2600		0.0001
2/26/2008	1.1500	4.6500		0 0001
3/4/2008	1.5800	4.4900		0.0001
3/6/2008	0.7800	4 8900		0 0001
3/13/2008	1.6000	4.8400		0.0001
3/18/2008	0.6670	6 6800		0.0001
3/27/2008	1.2900	5.3800		0.0001
4/4/2008	1 1400	6.9000		0.0002
4/8/2008	1 1600	3.0400		0.0001
4/10/2008	1.8200	11.8000		0.0002
4/17/2008	1.4100	3.8900		0.0001
4/25/2008	1 5600	22.8000		0.0004
4/30/2008	1.5000	3.9000		0.0001
5/8/2008	1.6500	8 8200		0.0002
5/9/2008	2.1600	5 3200		0.0001
5/16/2008	1.6100	5.5400		0.0001
5/20/2008	1.5100	12.9000		0.0002
5/23/2008	1.3300	11.1000		0 0001
5/28/2008	1.5700	9.6300		0.0001
6/3/2008	1 3300	5.8000		0.0001
6/10/2008	2.7000	11.7000		0.0003
6/13/2008	2.0100	13.5000		0.0002
6/17/2008	3.3400	8.1800		0 0001
6/27/2008	3.1900	35.6000		0.0007
7/2/2008	3.4600	7.3400		0.0001
7/3/2008	4.2300	16.4000		0.0004
7/10/2008	2.7600	7.4600		0.0002
7/16/2008	1.9000	7.8000		0.0002
7/22/2008	1.8100	8.1200		0.0001
7/31/2008	2.2600	11.0000		0.0002
8/8/2008	2.5500	8.1600		0.0002
8/12/2008	1.5900	10 2000		0.0002
8/20/2008	1 6900	4.9200		0.0001
8/21/2008	1.3100	4 1700		0 0001
9/11/2008	1.2700	0 0000		0 0000
9/16/2008	3 1000	7 4300		0.0001
9/24/2008	2.1500	0.0000		0 0000
9/26/2008	1.8800	0.0000		0 0000
9/30/2008	1.5900	0.0000		0.0000
10/9/2008	3.0400	36.9000		0.0005
10/14/2008	1.6800	3.0600		0 0000
10/16/2008	2.1500	8.0000		0.0001
10/28/2008	2 0100	0 0000		0 0000
11/5/2008	1.4500	118.0000		0.0013
11/6/2008	1 7400	12.1000		0 0001
11/13/2008	1.3300	5.2500		0 0001
11/17/2008	1.9300	7.2500		0.0001
11/25/2008	0.8020	4.6900		0.0001
11/26/2008	0.9480	6.2200		0.0001
11/28/2008	0 9890	2.4800		0.0000
12/5/2008	2.2000	5.6900		0.0001

* note 0.5 in bold indicates
a non-detect @ 0.5 ng/L
1/0/1900
1/0/1900

2008 Sampling Events Outfalls 001 and 002 and MRAs

Sample Date	North Intake	Outfall 001	Outfall 002	001 MRA	002 MRA
1/3/2008	1 190	1.910	4 320	2.345	2.504
1/4/2008	1.610	1.760	1.700	2.341	3.718
1/8/2008	1.830	2 280	2.640	2.247	6.524
1/11/2008	1.880	1.570	2.440	2.233	7.581
1/17/2008	1.000	1.690	1.120	2.438	7.960
1/22/2008	1 490	4.290	1.780	2.389	8 490
1/25/2008	0 630	0.250	2.230	2.455	9 012
1/29/2008	0.250	0.545	1.380	2.398	9.461
2/5/2008	0.898	0.805	26.300	2.379	10.152
2/8/2008	1.150	0.938	24 500	2.376	10 219
2/13/2008	0.500	3.200	15.500	2 237	10.167
2/14/2008	1.280	1.290	7.880	2.117	10.273
2/21/2008	0.710	0 706	12.300		
2/26/2008	1.150	1 160	7 680		
3/4/2008	1.580	0 966	137.000		
3/6/2008	0.780	0.000	8.780		
3/13/2008	1.600	1 060	11.000		
3/18/2008	0.667	0.594	9.650		
3/27/2008	1.290	1.020	11.500		
4/4/2008	1.140	1.280	11.100		
4/8/2008	1 160	1 160	9.210		
4/10/2008	1.820	1.350	11.400		
4/17/2008	1.410	1.410	5.800		
4/25/2008	1 560	1.430	10.100		
4/30/2008	1.500	2.400	41.600		
5/8/2008	1.650	19.800	8 510		
5/9/2008	2.160	1.380	8 100		
5/16/2008	1 610	1.510	8.440		
5/20/2008	1.510	1.550	6.070		
5/23/2008	1.330	1.340	7.520		
5/28/2008	1.570	1 660	5.180		
6/3/2008	1.330	0.968	0 000		
6/10/2008	2.700	2.520	9 030		
6/13/2008	2.010	2.400	8.170		
6/17/2008	3.340	3.720	10.600		
6/27/2008	3.190	2.420	7.980		
7/2/2008	3.460	4 540	11.300		
7/3/2008	4.230	6.440	21.600		
7/10/2008	2.760	2.080	8.780		
7/16/2008	1.900	3.220	6.600		
7/22/2008	1.810	1.660	5 610		
7/31/2008	2.260	1.570	4.200		
8/8/2008	2.550	1.550	4 370		
8/12/2008	1.590	2.050	4.150		
8/20/2008	1.690	0.000	3.930		
8/21/2008	1 310	1.150	2.490		
9/11/2008	1.270	1.270	3 560		
9/16/2008	3.100	4.570	38.600		
9/24/2008	2 150	3.600	4.720		
9/26/2008	1.880	1.720	5.790		
9/30/2008	1.590	1.890	4.070		
10/9/2008	3.040	2.350	6.310		
10/14/2008	1.680	1.210	1.400		
10/16/2008	2.150	1 410	2.950		
10/28/2008	2.010	4.440	3.760		
11/5/2008	1 450	0 974	3.360		
11/6/2008	1.740	1.550	2.730		
11/13/2008	1 330	1.090	1.840		
11/17/2008	1 930	1.820	5.100		
11/25/2008	0.802	0.629	1.690		
11/26/2008	0.948	0.974	2.260		
11/28/2008	0.989	0.984	2 150		
12/5/2008	2.200	1.610	3 240		

2009 Sampling Events and MRA Outfalls 003

Sample Date	North Intake ng/L	Outfall 003 ng/L	003 MRA ng/L	lbs Mercury Discharged
1/6/2009	1.61	189	11.0	0.0024
1/12/2009	1.07	2.28	11.9	0.0000
1/13/2009	0.746	3.27	11.6	0.0000
1/14/2009	0.641	3 31	11.9	0 0000
1/15/2009	0.824	5 41	12.0	0.0001
1/16/2009	0.25	2 49	11 2	0 0000
1/19/2009	0 25	3 8	11.1	0.0000
1/20/2009	0.25	1.83	10.7	0.0000
1/21/2009	0.25	2.49	10 2	0.0000
1/22/2009	1.02	2.08	9 1	0.0000
2/5/2009	0.25	4 98	7.6	0.0001
2/10/2009	0.25	7.05	7.4	0 0001
2/12/2009	2.83	9 9		0 0002
2/18/2009	1.7	37 9		0.0005
3/5/2009	0 25	2 33		0.0000
4/2/2009	1 25	23.7		0 0003
4/15/2009	2.72	6.49		0.0001
4/16/2009	1 9	7.51		0.0001
5/1/2009	2.45	9.16		0.0001
6/8/2009	1.44	5 69		0 0000
7/1/2009	4.5	8 46		0 0001
8/4/2009	2.43	2 18		0 0000
9/1/2009	1.33	1 91		0.0000
10/1/2009	2 25	2.88		0 0000
11/2/2009	2.36	3.77		0.0000
12/3/2009	2.99	3.23		0.0001

2009 Sampling Events Outfalls 001 and 002 and MRAs

	North Intake	Outfall 001	Outfall 002	001 MRA	002 MRA
1/6/2009	1.610	2.350	2.130	2.164	10.267
2/5/2009	1.070	0.656	0.583	2.168	9.531
2/10/2009	0.746	1 030	5 300	2.128	6.705
2/12/2009	0 641	2.810	6.750	2.153	5.884
2/18/2009	0.824	1.090	14.800	2.242	5 866
3/5/2009	0.250	0.250	1.680	2.340	5.366
4/2/2009	0.250	0 928	3.990	2.360	4.884
4/15/2009	0.250	2.730	5.450	2.402	4.350
4/16/2009	0 250	1.740	5.610	2.345	3.574
5/1/2009	1 020	5.610	7.080	2.307	3.564
6/8/2009	0 250	3.580	2.950	2.376	3.588
7/1/2009	0 250	3.250	3.130	2.601	3.474
8/4/2009	2 830	2.870	2.430		
9/1/2009	1.700	1 920	2 030		
10/1/2009	0.250	1.900	3 490		
11/2/2009	1.250	1.980	3 020		
12/3/2009	2.720	4 310	1.870		

2010 Sampling Events and MRA Outfalls 003

Sample Date	North Intake ng/L	Outfall 003 ng/L	003 MRA ng/L	lbs Mercury Discharged
1/7/2010	0.732	2.580	5.81	0.0000
2/4/2010	0.5	2.520	4.77	0.0000
3/5/2010	0.5	1.290	4.69	0.0000
4/15/2010	1.26	2.880	3.88	0.0000
5/19/2010	3.25	8.950	3.86	0 0002
6/2/2010	2.67	12.100	4.40	0.0002
7/9/2010	3.01	3 980	4.02	0 0001
8/10/2010	3.55	25 400	5.08	0 0005
8/26/2010	2.03	4.230	5.42	0.0001
9/16/2010	2.76	6.090	5.45	0.0001
10/20/2010	2.52	3.150	6.17	0.0001
11/11/2010	1.41	12.400	6.98	0.0002

2010 Sampling Events and MRA Outfalls 001 and 002

Sample Date	North Intake	Outfall 001	Outfall 002	001 MRA	002 MRA
1/7/2010	0.732	0 766	1.560	2.469	3.426
2/4/2010	0.500	0 500	1.680	2.395	2.995
3/5/2010	0.500	0 745	3.740	2.436	3.166
4/15/2010	1.260	3.290	5.290	2.560	3.189
5/19/2010	3.250	2.960	10.500	2 339	3 474
6/2/2010	2 670	2.180	4.190	2.223	3.578
7/9/2010	3.010	2.060	5.760	2.123	3.798
8/10/2010	3.550	4.860	8.050	2.289	4.267
9/16/2010	2.030	2.020	14.300	2.298	5.289
10/20/2010	2.760	3.090	25.600	2.397	7.132
11/11/2010	2.520	1 560	8.480	2.362	7.587
12/15/2010	1.410	5.090	11.400	2.427	8.381

2011 Sampling Events and MRA Outfalls 003

Sample Date	North Intake ng/L	Outfall 003 ng/L	003 MRA ng/L	lbs Mercury Discharged
1/11/2011	6.54	13.000	6.86	0.0002
2/15/2011	0.5	1.180	6.92	0.0000
3/16/2011	0.5	3.200	7.24	0.0000
4/14/2011	0.5	5.110	7.65	0.0001
5/24/2011	4.44	7.770	7.30	0.0001
6/9/2011	3.1	4.760	6.87	0.0001
7/6/2011	4.35	6 970	7.31	0.0001
8/11/2011	4.71	9.260	6.74	0.0001
9/13/2011	2.79	7 980	6.65	0.0002
10/27/2011	2.86	5.010	6.91	0.0001
11/10/2011	2.04	6.240	6.28	0.0001
12/6/2011	2.08	4.870	5.97	0.0001

2011 Sampling Events and MRA Outfalls 001 and 002

Sample Date	North Intake	Outfall 001	Outfall 002	001 MRA	002 MRA
1/11/2011	6.540	0 619	1.210	2.415	8.352
2/15/2011	0.500	0.500	1 250	2.415	8.316
3/16/2011	0.500	0 521	2.250	2.396	8.192
4/14/2011	0.500	1.790	13.700	2.271	8.893
5/24/2011	4.440	2.630	5.440	2.243	8.471
6/9/2011	3.100	3.240	33 300	2 332	10 897
7/6/2011	4.350	2.730	5.620	2.388	10 883
8/11/2011	4.710	3 120	5.290	2 243	10.653
9/13/2011	2.790	2.950	4.720	2.320	9.855
10/27/2011	2.860	1.950	10.100	2.225	8.563
11/10/2011	2.040	3.900	5.870	2.420	8.346
12/6/2011	2.080	5.350	8.790	2.442	8 128

BASF Corporation 4th set of attachments

David W Sheaves to Bryan Gangwisch 06/27/2012 09:28 AM

From: David W Sheaves <david.sheaves@basf.com>
To: Bryan Gangwisch/R5/USEPA/US@EPA,

History: This message has been replied to.

10 attachments

01-10 Resins Tank Inspection.PDF 03-10 Resins Tank Inspection.PDF 04-10 Resins Tank Inspection.PDF

7-10 Resins Tank Inspection.PDF 09-10 Resins Tank Inspection.PDF 11-09 Resin Tank Inspections.pdf

12-09 Resins Tank Inspection.PDF 12-10 Resins Tank Inspection.PDF 01-10 Resins Tank Inspection continued.PDF

09-10 Resins Tank Inspection.PDF

Bryan,

Attached are the sampling of daily tank inspection forms from the Resins Plant.

David Sheaves
Environmental Team Leader

Phone: 734-324-6836, Mobile: 734-476-7608, E-Mail: david.sheaves@basf.com
Postal Address: 1609 Biddle Avenue, Wyandotte, MI 48192

Be First to Strive! Then Strive to be First!

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 12-25-10 Time Conducted: 0610 AM / PM

Inspector Signature: [signature]

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓

Record last "Start Fill Date" for tanks

D-1053	D-1054	D-1081	D-1082
12·7·10	12·23·10	11·29·10	11·29·10

Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 8 psi (Must be between 1 and 7 psi)

Verify the enclosure pressure is in the Green Zone ✓

Report and record below, all malfunctions and deficiencies to Shift Supervisor

COMMENTS

UNCONTROLLED COPY
Printed: Sat Dec 25 05:59:14 EST 2010; Expires: Sun Dec 26 05:59:14 EST 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc; Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 12-24-10 Time Conducted: 600 AM / PM

Inspector Signature: David Kuelz

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓

Record last "Start Fill Date" for tanks

D-1053	D-1054	D-1081	D-1082
12-2-10	12-23-10	11-29-10	11-29-10

Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 10 psi (Must be between 1 and 7 psi)
Turn off Dust collector to clean (Air purge) 700AM

Verify the enclosure pressure is in the Green Zone ✓

Report and record below, all malfunctions and deficiencies to Shift Supervisor

COMMENTS

UNCONTROLLED COPY
Printed: Fri Dec 24 05:42:42 EST 2010; Expires: Sat Dec 25 05:42:42 EST 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc; Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 12-23-10 Time Conducted: 05:30 AM / PM

Inspector Signature: Bob Endell

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓

Record last "Start Fill Date" for tanks

D-1053	D-1054	D-1081	D-1082
12-2	11.20	11-29	11-29

Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 9.8 psi (Must be between 1 and 7 psi)

Verify the enclosure pressure is in the Green Zone ✓

Report and record below, all malfunctions and deficiencies to Shift Supervisor

COMMENTS

UNCONTROLLED COPY
Printed: Thu Dec 23 07:06:56 EST 2010; Expires: Fri Dec 24 07:06:56 EST 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc; Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 12-22-10 Time Conducted: 0700 AM / PM

Inspector Signature:

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for tanks D-1053 12-7 D-1054 11-20 D-1081 11-29 D-1082 11-29	
* Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 10 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	✓
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

UNCONTROLLED COPY
Printed: Wed Dec 22 06:11:48 EST 2010; Expires: Thu Dec 23 06:11:48 EST 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc; Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 12-21-2010 Time Conducted: 8:35 AM / PM

Inspector Signature: [signature]

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for tanks D-1053 12-2 D-1054 11-20 D-1081 11-29 D-1082 11-29	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 10 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	✓
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

UNCONTROLLED COPY
Printed: Tue Dec 21 08:31:35 EST 2010; Expires: Wed Dec 22 08:31:35 EST 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc; Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 12/20/10 Time Conducted: 0600 AM / PM

Inspector Signature: [signature]

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for tanks D-1053 12/19/10 D-1054 12/19/10 D-1081 11/29/10 D-1082 11/29/10	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 10 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	✓
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

UNCONTROLLED COPY
Printed: Mon Dec 20 05:54:03 EST 2010; Expires: Tue Dec 21 05:54:03 EST 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc; Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 12-19-10 Time Conducted: 6 AM/PM

Inspector Signature: James Simpson

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS GM	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for tanks D-1053: 12-7; D-1054: 11-20; D-1081: 11-29; D-1082: 11-29	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 10 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	✓
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

UNCONTROLLED COPY
Printed: Sun Dec 19 05:22:52 EST 2010; Expires: Mon Dec 20 05:22:52 EST 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc; Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 12-18-10 Time Conducted: 8 AM PM

Inspector Signature: James Simpson

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for tanks D-1053 12-7 D-1054 11-20 D-1081 11-29 D-1082 11-29	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 10 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	✓
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

UNCONTROLLED COPY
Printed: Sat Dec 18 05:26:26 EST 2010; Expires: Sun Dec 19 05:26:26 EST 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc; Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 12-16-10 Time Conducted: 05:30 AM/PM

Inspector Signature: Bob Cadell

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓

Record last "Start Fill Date" for tanks

D-1053	D-1054	D-1081	D-1082
12-2	11-20	11-29	11-29

Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 9.2 psi (Must be between 1 and 7 psi)

Verify the enclosure pressure is in the Green Zone ✓

Report and record below, all malfunctions and deficiencies to Shift Supervisor

COMMENTS

UNCONTROLLED COPY
Printed: Thu Dec 16 05:35:14 EST 2010; Expires: Fri Dec 17 05:35:14 EST 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc; Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 12-15-10 Time Conducted: 15:30 AM / PM

Inspector Signature: [signature]

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for tanks D-1053 12-12, D-1054 11-20, D-1081 11-29, D-1082 11-29	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 9.0 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	✓
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

UNCONTROLLED COPY
Printed: Wed Dec 15 05:37:58 EST 2010; Expires: Thu Dec 16 05:37:58 EST 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc; Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 12 - 14 - 10 Time Conducted: 0530 AM PM

Inspector Signature: [signature]

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓

Record last "Start Fill Date" for tanks

D-1053	D-1054	D-1081	D-1082
12-2	11-10	11-29	11-29

Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 9.0 psi (Must be between 1 and 7 psi)

Verify the enclosure pressure is in the Green Zone ✓

Report and record below, all malfunctions and deficiencies to Shift Supervisor

COMMENTS

UNCONTROLLED COPY
Printed: Tue Dec 14 05:32:47 EST 2010; Expires: Wed Dec 15 05:32:47 EST 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc; Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 12-13-20 Time Conducted: 05:30 AM / PM

Inspector Signature: [signature]

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓

Record last "Start Fill Date" for tanks

D-1053	D-1054	D-1081	D-1082
12-2	11-20	11-29	11-29

Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 10 psi (Must be between 1 and 7 psi)

Verify the enclosure pressure is in the Green Zone ✓

Report and record below, all malfunctions and deficiencies to Shift Supervisor

COMMENTS

UNCONTROLLED COPY
Printed: Mon Dec 13 13:29:28 EST 2010; Expires: Tue Dec 14 13:29:28 EST 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc; Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 12-12-2010 Time Conducted: 06:30 AM / PM

Inspector Signature: [signature]

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for tanks D-1053 12-2-2010 D-1054 11-20-2010 D-1081 11-29-2010 D-1082 11-29-2010	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 10 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	✓
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

UNCONTROLLED COPY
Printed: Sun Dec 12 06:18:07 EST 2010; Expires: Mon Dec 13 06:18:07 EST 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc; Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 12-11-2010 Time Conducted: 7:00 (AM) PM

Inspector Signature: [signature]

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for tanks D-1053 12-2-2010 D-1054 11-20-2010 D-1081 11-29-2010 D-1082 11-29-2010	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 7 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	✓
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

UNCONTROLLED COPY
Printed: Sat Dec 11 08:53:37 EST 2010; Expires: Sun Dec 12 08:53:37 EST 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc; Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 12/10/10 Time Conducted: 0630 AM / PM

Inspector Signature: Jeff [illegible]

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for tanks D-1053 ____ D-1054 ____ D-1081 11/29/10 D-1082 11/29/10	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 10 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	✓
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

UNCONTROLLED COPY
Printed: Fri Dec 10 05:58:41 EST 2010; Expires: Sat Dec 11 05:58:41 EST 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc; Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 10/19/10 Time Conducted: 0615 AM / PM

Inspector Signature: James G. Blanchin

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓

Record last "Start Fill Date" for tanks

D-1053	D-1054	D-1081	D-1082
12-2-10	11-20-10	11-29-10	11-29-10

Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 10 psi (Must be between 1 and 7 psi)

Verify the enclosure pressure is in the Green Zone ✓

Report and record below, all malfunctions and deficiencies to Shift Supervisor

COMMENTS

UNCONTROLLED COPY
Printed: Thu Dec 09 06:10:50 EST 2010; Expires: Fri Dec 10 06:10:50 EST 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc; Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 12/8/10 Time Conducted: 0725 AM / PM

Inspector Signature: David Kadlz

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for tanks D-1053 12/7/10 D-1054 11/30/10 D-1081 10/12/10 D-1082 9/24/10	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 9 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	✓
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

UNCONTROLLED COPY
Printed: Wed Dec 08 07:21:42 EST 2010; Expires: Thu Dec 09 07:21:42 EST 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc; Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 12-7-10 Time Conducted: 620 AM / PM

Inspector Signature: [signature]

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for tanks D-1053 12-2-10 D-1054 11-20-10 D-1081 11-29-10 D-1082 11-29-10	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 10 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	✓
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

D-1054 H_2O in Dike area

UNCONTROLLED COPY
Printed: Tue Dec 07 06:14:52 EST 2010; Expires: Wed Dec 08 06:14:52 EST 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc; Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 12-6-10 Time Conducted: 610 AM PM

Inspector Signature: David Kowalczyk

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for tanks D-1053 12-2-10 D-1054 11-20-10 D-1081 11-29-10 D-1082 11-29-10	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 10 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	✓
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

UNCONTROLLED COPY
Printed: Mon Dec 06 06:03:23 EST 2010; Expires: Tue Dec 07 06:03:23 EST 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc; Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 12-5-10 Time Conducted: 0530 AM / PM

Inspector Signature: Bob Cole

Inspected all tank outlet valves and fittings for leaks	☑
Inspected containment dikes for corrosion, damage, and/or leaks	☑
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	☑
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	☑
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	☑
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	☑
Record last "Start Fill Date" for tanks D-1053: 12-2; D-1054: 11-20; D-1081: 11-29; D-1082: 11-29	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 9.8 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	☑
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

UNCONTROLLED COPY
Printed: Sun Dec 05 05:32:33 EST 2010; Expires: Mon Dec 06 05:32:33 EST 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc; Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 12-1-10 Time Conducted: 8 AM / PM

Inspector Signature: Jed Simpson

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓

Record last "Start Fill Date" for tanks

D-1053	D-1054	D-1081	D-1082
11-20	11-20	11-29	11-29

Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 10 psi (Must be between 1 and 7 psi)

Verify the enclosure pressure is in the Green Zone ✓

Report and record below, all malfunctions and deficiencies to Shift Supervisor

COMMENTS

UNCONTROLLED COPY
Printed: Wed Dec 01 05:23:18 EST 2010; Expires: Thu Dec 02 05:23:18 EST 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc; Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 1-2-10 Time Conducted: 07:00 (AM) / PM

Inspector Signature: Bob [illegible]

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓

Record last "Start Fill Date" for tanks

D-1053	D-1054	D-1081	D-1082
12-3	11-24	12-23	11-21

Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix OFF psi (Must be between 1 and 7 psi)

Verify the enclosure pressure is in the Green Zone ✓

Report and record below, all malfunctions and deficiencies to Shift Supervisor

COMMENTS

UNCONTROLLED COPY
Printed: Sat Jan 02 06:47:41 EST 2010; Expires: Sun Jan 03 06:47:41 EST 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.4); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 1-3-10 Time Conducted: 08:00 AM PM

Inspector Signature: Bob Eddy

Inspected all tank outlet valves and fittings for leaks	☑
Inspected containment dikes for corrosion, damage, and/or leaks	☑
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	☑
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	☑
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	☑
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	☐
Record last "Start Fill Date" for tanks D-1053: 12-3; D-1054: 11-24; D-1081: 12-23; D-1082: 11-21	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 4.6 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	☑
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

UNCONTROLLED COPY
Printed: Sun Jan 03 06:11:02 EST 2010; Expires: Mon Jan 04 06:11:02 EST 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.4); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 1-1-10 Time Conducted: 9:00 (AM) PM

Inspector Signature: Bob Coley

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for tanks D-1053: 12-3; D-1054: 11-24; D-1081: 12-23; D-1082: 11-21	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix OK psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	✓
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

UNCONTROLLED COPY
Printed: Fri Jan 01 08:41:33 EST 2010; Expires: Sat Jan 02 08:41:33 EST 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.4); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 9-30-10 Time Conducted: 0600 AM / PM

Inspector Signature: [signature]

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for tanks D-1053 8-19-10, D-1054 9-7-10, D-1081 9-24-10, D-1082 9-24-10	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 1 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	✓
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

UNCONTROLLED COPY
Printed: Thu Sep 30 05:50:33 EDT 2010; Expires: Fri Oct 01 05:50:33 EDT 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc; Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 9-29-10 Time Conducted: 0600 AM / PM

Inspector Signature: [signature]

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓ See NOTE
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for tanks D-1053 8-19-10 D-1054 9-7-10 D-1081 9-24-10 D-1082 9-24-10	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 7 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	✓
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

NOTE • No "CONFINED SPACE" SIGN ON D-1054 - OLD ONE BROKE OFF

UNCONTROLLED COPY
Printed: Wed Sep 29 05:42:34 EDT 2010; Expires: Thu Sep 30 05:42:34 EDT 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc; Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 9-28-10 Time Conducted: 0600 (AM) / PM

Inspector Signature: [signature]

Inspected all tank outlet valves and fittings for leaks	☐ * See NOTE
Inspected containment dikes for corrosion, damage, and/or leaks	☑
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	☑
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	☑
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	☑
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	☑
Record last "Start Fill Date" for tanks D-1053 8-19-10, D-1054 9-7-10, D-1081 9-24-10, D-1082 9-24-10	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 8 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	☑
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

P-1081 LEAKS @ FLEX FITTING - TIGHTENED BOLTS + NOTIFIED MAINT.

UNCONTROLLED COPY
Printed: Tue Sep 28 05:56:42 EDT 2010; Expires: Wed Sep 29 05:56:42 EDT 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc; Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 9-27-10 Time Conducted: 0600 AM PM

Inspector Signature: [signature]

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for tanks D-1053 8-19-10 D-1054 9-7-10 D-1081 9-24-10 D-1082 9-24-10	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 6 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	✓
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

DUST COLLECTOR BAG WAS FULL:
Changed out.

UNCONTROLLED COPY
Printed: Mon Sep 27 07:04:20 EDT 2010; Expires: Tue Sep 28 07:04:20 EDT 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc; Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 9-26-10 Time Conducted: 6 AM / PM

Inspector Signature: James Simpson

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓

Record last "Start Fill Date" for tanks D-1053 8-19 D-1054 9-7 D-1081 9-24 D-1082 9-24

Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 88 psi (Must be between 1 and 7 psi)

Verify the enclosure pressure is in the Green Zone ✓

Report and record below, all malfunctions and deficiencies to Shift Supervisor

COMMENTS

UNCONTROLLED COPY
Printed: Sun Sep 26 05:40:47 EDT 2010; Expires: Mon Sep 27 05:40:47 EDT 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc; Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 9-25-10 Time Conducted: 730 ~~AM~~/ PM

Inspector Signature: JW Simpson

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for tanks D-1053 8-19 D-1054 9-7 D-1081 9-24 D-1082 9-24	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 8.2 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	✓
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

Dust Collector in High Range

UNCONTROLLED COPY
Printed: Sat Sep 25 05:45:59 EDT 2010; Expires: Sun Sep 26 05:45:59 EDT 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc; Owner Name: Boehme, John

BASF The Chemical Company JPP Procedure Wyandotte	Title: Hazardous Waste Tanks Daily Checklist	
	Function: JPP Standard Operating Procedure	
	No.: JPP-SOP-1000-605	Page: 3 of 3

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 9-24-2010 Time Conducted: 7 AM/PM

Inspector Signature: James Simpson

Inspected all tank outlet valves and fittings for leaks ☑
A LINE LEAK. N2 · TO PUMP.

Inspected containment dikes for corrosion, damage, and/or leaks ☑

Inspected all containment areas for cleanliness (I.E. trash, water, etc...) ☑
DIRTY / WATER · 1053 1054

Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels ☑

Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS ☑
GMCD

Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days ☑

Record last "Start Fill Date" for tanks

D-1053	D-1054	D-1081	D-1082
8-19	9-7	9-22	9-22

Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 5.4 psi (Must be between 1 and 7 psi)

Verify the enclosure pressure is in the Green Zone ☑

Report and record below, all malfunctions and deficiencies to Shift Supervisor

COMMENTS

UNCONTROLLED COPY
Printed: Fri Sep 24 06:49:13 EDT 2010; Expires: Sat Sep 25 06:49:13 EDT 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc; Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 9-23-10 Time Conducted: 05:30 AM / PM

Inspector Signature: Bob [signature]

Inspected all tank outlet valves and fittings for leaks	☑
Inspected containment dikes for corrosion, damage, and/or leaks	☑
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	☑
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	☑
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	☑
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	☑

Record last "Start Fill Date" for tanks

D-1053	D-1054	D-1081	D-1082
8-19	4-7	9-22	9-22

Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 6.3 psi (Must be between 1 and 7 psi)

Verify the enclosure pressure is in the Green Zone ☑

Report and record below, all malfunctions and deficiencies to Shift Supervisor

COMMENTS

UNCONTROLLED COPY
Printed: Thu Sep 23 05:36:28 EDT 2010; Expires: Fri Sep 24 05:36:28 EDT 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc; Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 9-22-10 Time Conducted: 15:32 AM / PM

Inspector Signature: Bob Cedar

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for tanks D-1053 8-17 D-1054 9-7 D-1081 8-11 D-1082 7-22	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 6.0 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	✓
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

UNCONTROLLED COPY
Printed: Wed Sep 22 05:38:05 EDT 2010; Expires: Thu Sep 23 05:38:05 EDT 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc; Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 9-21-10 Time Conducted: 05:30 AM / PM

Inspector Signature: [signature]

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓

Record last "Start Fill Date" for tanks

D-1053	D-1054	D-1081	D-1082
8-19	9-7	8-11	7-22

Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 5.7 psi (Must be between 1 and 7 psi)

Verify the enclosure pressure is in the Green Zone ✓

Report and record below, all malfunctions and deficiencies to Shift Supervisor

COMMENTS

UNCONTROLLED COPY
Printed: Tue Sep 21 05:31:26 EDT 2010; Expires: Wed Sep 22 05:31:26 EDT 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc; Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 9-20-10 Time Conducted: 05:30 AM / PM

Inspector Signature: [signature]

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for tanks D-1053: 8-19 D-1054: 9-7 D-1081: 8-11 D-1082: 7-22	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 5.8 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	✓
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

UNCONTROLLED COPY
Printed: Mon Sep 20 05:33:13 EDT 2010; Expires: Tue Sep 21 05:33:13 EDT 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc; Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 9/16/10 Time Conducted: 0700 AM / PM

Inspector Signature: Keith Rudzoto

Inspected all tank outlet valves and fittings for leaks	☑
Inspected containment dikes for corrosion, damage, and/or leaks	☑
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	☑
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	☑
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	☑
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	☑
Record last "Start Fill Date" for tanks D-1053 7/23/10 D-1054 9/5/10 D-1081 8/4/10 D-1082 7/22/10	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 6.4 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	☑
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

UNCONTROLLED COPY
Printed: Thu Sep 16 06:49:51 EDT 2010; Expires: Fri Sep 17 06:49:51 EDT 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc; Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 9-15-10 Time Conducted: 0605 AM / PM

Inspector Signature: [signature]

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for tanks D-1053 8-19-10 D-1054 9-7-10 D-1081 8-11-10 D-1082 7-22-10	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 7 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	✓
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

UNCONTROLLED COPY
Printed: Wed Sep 15 05:59:31 EDT 2010; Expires: Thu Sep 16 05:59:31 EDT 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc: Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 9-14-10 Time Conducted: 0605 AM / PM

Inspector Signature: [signature]

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for tanks D-1053 8-19-10 D-1054 9-7-10 D-1081 8-11-10 D-1082 7-22-10	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 8 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	✓
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

UNCONTROLLED COPY
Printed: Tue Sep 14 05:55:48 EDT 2010; Expires: Wed Sep 15 05:55:48 EDT 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc; Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 9-13-10 Time Conducted: 0600 AM / PM

Inspector Signature: [signature]

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for tanks D-1053 8-19-10 D-1054 9-7-10 D-1081 8-11-10 D-1082 7-22-10	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 9 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	✓
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

UNCONTROLLED COPY
Printed: Mon Sep 13 05:55:08 EDT 2010; Expires: Tue Sep 14 05:55:08 EDT 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc; Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 9-12-10 Time Conducted: 0530 AM / PM

Inspector Signature: Bob [illegible]

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for tanks D-1053 8-19 D-1054 9-7 D-1081 8-18 D-1082 7-22	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 6.0 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	✓
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

UNCONTROLLED COPY
Printed: Sun Sep 12 05:42:16 EDT 2010; Expires: Mon Sep 13 05:42:16 EDT 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc; Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 9-11-10 Time Conducted: 0513 AM/PM

Inspector Signature: [signature]

Inspected all tank outlet valves and fittings for leaks	☑
Inspected containment dikes for corrosion, damage, and/or leaks	☑
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	☑
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	☑
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	☑
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	☑
Record last "Start Fill Date" for tanks D-1053 8-19 D-1054 9-7 D-1081 8-17 D-1082 7-22	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 6.1 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	☑
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

UNCONTROLLED COPY
Printed: Sat Sep 11 05:41:24 EDT 2010; Expires: Sun Sep 12 05:41:24 EDT 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc; Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 9-10-10 Time Conducted: 05:30 AM / PM

Inspector Signature: Bob Cobel

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓

Record last "Start Fill Date" for tanks

D-1053	D-1054	D-1081	D-1082
8-19	9-7	8-11	7-22

Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 6.1 psi (Must be between 1 and 7 psi)

Verify the enclosure pressure is in the Green Zone ✓

Report and record below, all malfunctions and deficiencies to Shift Supervisor

COMMENTS

UNCONTROLLED COPY
Printed: Fri Sep 10 05:34:07 EDT 2010; Expires: Sat Sep 11 05:34:07 EDT 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc; Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 9-9-10 Time Conducted: 06:30 AM / PM

Inspector Signature: BR Eddy

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for tanks D-1053 8-23 D-1054 9-5 D-1081 8-11 D-1082 7-22	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 7.0 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	✓
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

UNCONTROLLED COPY
Printed: Wed Sep 08 05:43:26 EDT 2010; Expires: Thu Sep 09 05:43:26 EDT 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc; Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 9/7/10 Time Conducted: 0700 AM PM

Inspector Signature:

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for tanks D-1053 8/19 D-1054 9/7 D-1081 8/11 D-1082 7/22	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 6 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	✓
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

UNCONTROLLED COPY
Printed: Tue Sep 07 05:50:24 EDT 2010; Expires: Wed Sep 08 05:50:24 EDT 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc; Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 9.6.10 Time Conducted: 7 AM / PM

Inspector Signature: [signature]

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	GMD
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for tanks D-1053 8/19 D-1054 9/5 D-1081 8/11 D-1082 7/24	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 6.2 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	✓
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

UNCONTROLLED COPY
Printed: Mon Sep 06 05:46:57 EDT 2010; Expires: Tue Sep 07 05:46:57 EDT 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc; Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 9/5/10 Time Conducted: 0620 AM / PM

Inspector Signature: Keith Rudzik

Inspected all tank outlet valves and fittings for leaks	☑
Inspected containment dikes for corrosion, damage, and/or leaks	☑
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	☑
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	☑
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	☑
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	☑
Record last "Start Fill Date" for tanks D-1053 8/19/10 D-1054 9/5/10 D-1081 8/11/10 D-1082 7/22/10	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 6.2 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	☑
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

UNCONTROLLED COPY
Printed: Sun Sep 05 06:24:08 EDT 2010; Expires: Mon Sep 06 06:24:08 EDT 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc; Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 9-4-10 Time Conducted: 0700 AM / PM

Inspector Signature: [signature]

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓

Record last "Start Fill Date" for tanks

D-1053	D-1054	D-1081	D-1082
8-19-10	8-17-10	8-11-10	7-22-10

Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 8 psi (Must be between 1 and 7 psi)

Verify the enclosure pressure is in the Green Zone ✓

Report and record below, all malfunctions and deficiencies to Shift Supervisor

COMMENTS

UNCONTROLLED COPY
Printed: Sat Sep 04 06:50:50 EDT 2010; Expires: Sun Sep 05 06:50:50 EDT 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc; Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 9/3/10 Time Conducted: 0620 AM / PM

Inspector Signature: _____

Inspected all tank outlet valves and fittings for leaks	☑
Inspected containment dikes for corrosion, damage, and/or leaks	☑
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	☑
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	☑
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	☑
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	☑
Record last "Start Fill Date" for tanks D-1053 8/19/10 D-1054 8/19/10 D-1081 8/11/10 D-1082 7/22/10	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 5.5 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	☑
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

UNCONTROLLED COPY
Printed: Fri Sep 03 06:26:44 EDT 2010; Expires: Sat Sep 04 06:26:44 EDT 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc; Owner Name: Boehme, John

BASF The Chemical Company JPP Procedure Wyandotte	Title: Hazardous Waste Tanks Daily Checklist	
	Function: JPP Standard Operating Procedure	
	No.: JPP-SOP-1000-605	Page: 3 of 3

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 9-2-10 Time Conducted: 0600 (AM) PM

Inspector Signature:

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	*✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for tanks D-1053 8-19-10 D-1054 8-19-10 D-1081 8-11-10 D-1082 7-22-10	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 7 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	✓
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

D-1054 = NO CONFINED SPACE SIGN YET!

UNCONTROLLED COPY
Printed: Thu Sep 02 05:42:55 EDT 2010; Expires: Fri Sep 03 05:42:55 EDT 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.4); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 9-1-10 Time Conducted: 0730 AM / PM

Inspector Signature: [signature]

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for tanks D-1053 8-19-10 D-1054 8-19-10 D-1081 8-11-10 D-1082 7-22-10	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 7 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	✓
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

- D-1054 HAS NO CONFINED SPACE LABEL

UNCONTROLLED COPY
Printed: Wed Sep 01 07:19:33 EDT 2010; Expires: Thu Sep 02 07:19:33 EDT 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.0); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 12-26-10 Time Conducted: 0600 AM / PM

Inspector Signature: David Kendrick

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓

Record last "Start Fill Date" for tanks D-1053 12-24-10 D-1054 12-24-10 D-1081 11-29-10 D-1082 11-29-10

Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 8 psi (Must be between 1 and 7 psi)

Verify the enclosure pressure is in the Green Zone ✓

Report and record below, all malfunctions and deficiencies to Shift Supervisor

COMMENTS

UNCONTROLLED COPY
Printed: Sun Dec 26 05:54:51 EST 2010; Expires: Mon Dec 27 05:54:51 EST 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc; Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 12-27-10 Time Conducted: 7 AM / PM

Inspector Signature: James Simpson

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	RN
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for tanks D-1053 12-24 D-1054 12-24-10 D-1081 11-29 D-1082 11-29	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 10 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	✓
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

UNCONTROLLED COPY
Printed: Mon Dec 27 05:52:35 EST 2010; Expires: Tue Dec 28 05:52:35 EST 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc; Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 12-28-10 Time Conducted: 0630 AM/ PM

Inspector Signature: James Simpson

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	GM
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for tanks D-1053 12-24-10 D-1054 12-24-10 D-1081 11-29-10 D-1082 11-29-10	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix _____psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	✓
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

UNCONTROLLED COPY
Printed: Tue Dec 28 06:20:51 EST 2010; Expires: Wed Dec 29 06:20:51 EST 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc; Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 12-29 Time Conducted: 0600 AM / PM

Inspector Signature: [signature]

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for tanks D-1053 12-24 D-1054 12-24 D-1081 11-29 D-1082 11-29	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 10 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	✓
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

UNCONTROLLED COPY
Printed: Wed Dec 29 06:21:14 EST 2010; Expires: Thu Dec 30 06:21:14 EST 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc; Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 12-30-10 Time Conducted: 0615 AM / PM

Inspector Signature: [signature]

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	[initials]
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓

Record last "Start Fill Date" for tanks

D-1053	D-1054	D-1081	D-1082
12-24	12-24	11-29	11-29

Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 6 psi (Must be between 1 and 7 psi)

Verify the enclosure pressure is in the Green Zone ✓

Report and record below, all malfunctions and deficiencies to Shift Supervisor

COMMENTS

UNCONTROLLED COPY
Printed: Thu Dec 30 05:54:24 EST 2010; Expires: Fri Dec 31 05:54:24 EST 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc; Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 12-31-10 Time Conducted: 05:55 AM / PM

Inspector Signature: BxB Crandall

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for tanks D-1053 12-24, D-1054 12-24, D-1081 11-29, D-1082 11-29	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 7.6 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	✓
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

UNCONTROLLED COPY
Printed: Fri Dec 31 05:55:29 EST 2010; Expires: Sat Jan 01 05:55:29 EST 2011
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc; Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 12-1-2009 Time Conducted: 600 AM/ PM

Inspector Signature: J Simpson

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓

Record last "Start Fill Date" for tanks

D-1053	D-1054	D-1081	D-1082
11-24	11-24	11-19	11-21

Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 6 psi (Must be between 1 and 7 psi)

Verify the enclosure pressure is in the Green Zone ✓

Report and record below, all malfunctions and deficiencies to Shift Supervisor

COMMENTS

Coating Relief valve water in Dike 1053

UNCONTROLLED COPY
Printed: Tue Dec 01 05:33:50 EST 2009; Expires: Wed Dec 02 05:33:50 EST 2009
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.3); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 12-2-09 Time Conducted: 7:00 AM / PM

Inspector Signature: [signature]

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...) D-1054 - INSULATION	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for tanks D-1053 11-24, D-1054 11-24, D-1081 11-19, D-1082 11-21	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 8 psi (Must be between 1 and 7 psi) FILTER CHANGE NEEDED	
Verify the enclosure pressure is in the Green Zone	✓

Report and record below, all malfunctions and deficiencies to Shift Supervisor

COMMENTS

UNCONTROLLED COPY
Printed: Wed Dec 02 05:39:34 EST 2009; Expires: Thu Dec 03 05:39:34 EST 2009
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.3); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 12/3/04 Time Conducted: 07:00 AM / PM

Inspector Signature:

Inspected all tank outlet valves and fittings for leaks	X
Inspected containment dikes for corrosion, damage, and/or leaks	X
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	X
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	X
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	X
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	X
Record last "Start Fill Date" for tanks D-1053 11/24/9, D-1054 10/27/9, D-1081 11/19/9, D-1082 11/21/9	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 8 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	X
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

PRESSURE DIFFERENTIAL ON DUST COLLECTOR PHOTOHELIX OUT OF SYNC. WILL NOTIFY SUPERVISION AND RESOLVE.

UNCONTROLLED COPY
Printed: Thu Dec 03 06:18:28 EST 2009; Expires: Fri Dec 04 06:18:28 EST 2009
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.3); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 12-4-09 Time Conducted: 08:30 AM/ PM

Inspector Signature: Bob Endall

Inspected all tank outlet valves and fittings for leaks	☑
Inspected containment dikes for corrosion, damage, and/or leaks	☑
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	☑
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	☑
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	☑
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	☑
Record last "Start Fill Date" for tanks D-1053 11-24 D-1054 11-24 D-1081 11-19 D-1082 11-21	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 6.6 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	☑
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

UNCONTROLLED COPY
Printed: Fri Dec 04 07:47:44 EST 2009; Expires: Sat Dec 05 07:47:44 EST 2009
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.4); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 12/4/09 Time Conducted: 10:00 AM / PM

Inspector Signature: [signature]

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓

Record last "Start Fill Date" for tanks

D-1053	D-1054	D-1081	D-1082
11/24/09	11/24/09	11/19/09	11/21/09

Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 8.4 psi (Must be between 1 and 7 psi)

Verify the enclosure pressure is in the Green Zone ✓

Report and record below, all malfunctions and deficiencies to Shift Supervisor

COMMENTS

UNCONTROLLED COPY
Printed: Fri Dec 04 22:17:54 EST 2009; Expires: Sat Dec 05 22:17:54 EST 2009
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.4); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 12/5/09 Time Conducted: 7:30 AM / PM

Inspector Signature: [signature]

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...) WATER IN D-1053 & D-1054 FROM PSYS LIFTING	
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for tanks D-1053 12/3 D-1054 11/24 D-1081 11/19 D-1082 11/21	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix _____psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	✓
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

UNCONTROLLED COPY
Printed: Sat Dec 05 06:35:15 EST 2009; Expires: Sun Dec 06 06:35:15 EST 2009
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.4); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 12-6-09 Time Conducted: 07:00 AM/PM

Inspector Signature: Bob Sandy

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓

Record last "Start Fill Date" for tanks

D-1053	D-1054	D-1081	D-1082
11/3	11/24	11/19	11/21

Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 00.2 psi (Must be between 1 and 7 psi)

Verify the enclosure pressure is in the Green Zone ✓

Report and record below, all malfunctions and deficiencies to Shift Supervisor

COMMENTS

UNCONTROLLED COPY
Printed: Sun Dec 06 05:57:23 EST 2009; Expires: Mon Dec 07 05:57:23 EST 2009
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.4); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 12·07·09 Time Conducted: 0600 AM / PM

Inspector Signature: George K

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels D-1054 HAS water in it	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for tanks D-1053 12·03·09 D-1054 11·24·09 D-1081 11·19·09 D-1082 11·21·09	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 7.5 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	✓
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

UNCONTROLLED COPY
Printed: Mon Dec 07 06:55:08 EST 2009; Expires: Tue Dec 08 06:55:08 EST 2009
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.4); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 12·09·09 Time Conducted: 0700 (AM) PM

Inspector Signature: George Kij

Inspected all tank outlet valves and fittings for leaks	☑
Inspected containment dikes for corrosion, damage, and/or leaks	☑
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	☑
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	☑
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	☑
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	☑
Record last "Start Fill Date" for tanks D-1053 12·3·09 D-1054 11·24·09 D-1081 11·19·09 D-1082 11·21·09	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 9.1 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	☑
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

UNCONTROLLED COPY
Printed: Wed Dec 09 06:49:54 EST 2009; Expires: Thu Dec 10 06:49:54 EST 2009
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.4); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 12/8/09 Time Conducted: 9:45 AM / PM

Inspector Signature: John Bugam

Inspected all tank outlet valves and fittings for leaks	☑
Inspected containment dikes for corrosion, damage, and/or leaks	☑
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	☑
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	☑
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	☑
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	☑

Record last "Start Fill Date" for tanks

D-1053	D-1054	D-1081	D-1082
12-3-09	11-24-09	11-19-09	11-21-09

Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 9.0 psi (Must be between 1 and 7 psi)

Verify the enclosure pressure is in the Green Zone ☑

Report and record below, all malfunctions and deficiencies to Shift Supervisor

COMMENTS

UNCONTROLLED COPY
Printed: Wed Dec 09 06:49:54 EST 2009; Expires: Thu Dec 10 06:49:54 EST 2009
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.4); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 12-10-09 Time Conducted: 0700 AM / PM

Inspector Signature: [signature]

Inspected all tank outlet valves and fittings for leaks	[signature]
Inspected containment dikes for corrosion, damage, and/or leaks	[signature]
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	[signature]
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	[signature]
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	[signature]
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	[signature]

Record last "Start Fill Date" for tanks

D-1053	D-1054	D-1081	D-1082
12-3-09	11-24-09	11-19-09	11-21-09

Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 9 psi (Must be between 1 and 7 psi)

Verify the enclosure pressure is in the Green Zone [signature]

Report and record below, all malfunctions and deficiencies to Shift Supervisor

COMMENTS

UNCONTROLLED COPY
Printed: Thu Dec 10 06:55:16 EST 2009; Expires: Fri Dec 11 06:55:16 EST 2009
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.4); Owner Name: Boehme, John

BASF The Chemical Company JPP Procedure Wyandotte	Title: Hazardous Waste Tanks Daily Checklist	
	Function: JPP Standard Operating Procedure	
	No.: JPP-SOP-1000-605	Page: 3 of 3

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 12-11-2009 Time Conducted: 9:00 AM / PM

Inspector Signature: [signature]

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for tanks D-1053 12-9-09, D-1054 11-24-09, D-1081 11-9-09, D-1082 11-21-09	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 92 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	✓
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

Collector Differential pressure over set

Ken Moll

UNCONTROLLED COPY
Printed: Fri Dec 11 09:00:41 EST 2009; Expires: Sat Dec 12 09:00:41 EST 2009
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.4); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 12-12-09 Time Conducted: 14:00 AM (PM)

Inspector Signature: Daniel Schuchel

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓

Record last "Start Fill Date" for tanks

D-1053	D-1054	D-1081	D-1082
12-3	11-24	11-19	11-21

Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 9.8 psi (Must be between 1 and 7 psi)

Verify the enclosure pressure is in the Green Zone ✓

Report and record below, all malfunctions and deficiencies to Shift Supervisor

COMMENTS

UNCONTROLLED COPY
Printed: Sat Dec 12 15:38:33 EST 2009; Expires: Sun Dec 13 15:38:33 EST 2009
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.4); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 12-13-09 Time Conducted: 0630 AM / PM

Inspector Signature: [signature]

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for tanks D-1053 12-03-09 D-1054 11-24-09 D-1081 11-19-09 D-1082 11-21-09	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 0 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	✓
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

Dust collector turned off
Contractor work on D-1053/54. Lots of Debris in Dikes.
Work ongoing today.

UNCONTROLLED COPY
Printed: Sat Dec 12 15:17:19 EST 2009; Expires: Sun Dec 13 15:17:19 EST 2009
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.4); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 12-14-09 Time Conducted: 06:00 AM/PM

Inspector Signature: Bob Cadey

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for tanks D-1053: 12-3; D-1054: 11-24; D-1081: 11-19; D-1082: 11-21	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 1.8 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	✓
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

UNCONTROLLED COPY
Printed: Mon Dec 14 06:01:36 EST 2009; Expires: Tue Dec 15 06:01:36 EST 2009
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.4); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 12-15-09 Time Conducted: 07:00 AM/PM

Inspector Signature: Bob Cadell

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for tanks D-1053: 12-3; D-1054: 11-24; D-1081: 11-19; D-1082: 11-21	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 8-8 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	✓
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

UNCONTROLLED COPY
Printed: Tue Dec 15 06:09:31 EST 2009; Expires: Wed Dec 16 06:09:31 EST 2009
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.4); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 12-16-09 Time Conducted: 07:00 AM / PM

Inspector Signature: Bob Cadell

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓

Record last "Start Fill Date" for tanks

D-1053	D-1054	D-1081	D-1082
12/3	11-24	11-19	11-21

Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 8-8 psi (Must be between 1 and 7 psi)

Verify the enclosure pressure is in the Green Zone ✓

Report and record below, all malfunctions and deficiencies to Shift Supervisor

COMMENTS

UNCONTROLLED COPY
Printed: Wed Dec 16 05:44:48 EST 2009; Expires: Thu Dec 17 05:44:48 EST 2009
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.4); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 12-17-09 Time Conducted: 08:00 AM/PM

Inspector Signature: Bob Endell

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓

Record last "Start Fill Date" for tanks

D-1053	D-1054	D-1081	D-1082
12-3	11-24	11-19	11-21

Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 6.8 psi (Must be between 1 and 7 psi)

Verify the enclosure pressure is in the Green Zone ✓

Report and record below, all malfunctions and deficiencies to Shift Supervisor

COMMENTS

UNCONTROLLED COPY
Printed: Thu Dec 17 07:53:29 EST 2009; Expires: Fri Dec 18 07:53:29 EST 2009
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 12/18/09 Time Conducted: 7:00 AM / PM

Inspector Signature: [signature]

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for tanks D-1053 12/3 D-1054 11/24 D-1081 11/19 D-1082 11/21	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 9.4 psi (Must be between 1 and 7 psi) OC	
Verify the enclosure pressure is in the Green Zone	✓
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

DUST COLLECTOR OUT OF COMPLIANCE; SUPERVISOR NOTIFIED

UNCONTROLLED COPY
Printed: Fri Dec 18 06:20:26 EST 2009; Expires: Sat Dec 19 06:20:26 EST 2009
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.4); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 12/19/09 Time Conducted: 6:30 AM / PM

Inspector Signature: [signature]

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓

Record last "Start Fill Date" for tanks D-1053 12/3/09 D-1054 11/24/09 D-1081 11/19/09 D-1082 11/21/09

Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix Ø psi (Must be between 1 and 7 psi) DOWN

Verify the enclosure pressure is in the Green Zone ✓

Report and record below, all malfunctions and deficiencies to Shift Supervisor

COMMENTS

UNCONTROLLED COPY
Printed: Sat Dec 19 05:56:31 EST 2009; Expires: Sun Dec 20 05:56:31 EST 2009
File Name: SOP-1000-605-Hazardous Waste Tanks Checklist.doc(1.4); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 12/20/09 Time Conducted: 7:00 AM / PM

Inspector Signature: [illegible]

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓

Record last "Start Fill Date" for tanks

D-1053	D-1054	D-1081	D-1082
12/3	11/24	11/19	11/21

Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix Ø psi (Must be between 1 and 7 psi) Down

Verify the enclosure pressure is in the Green Zone ✓

Report and record below, all malfunctions and deficiencies to Shift Supervisor

COMMENTS

UNCONTROLLED COPY
Printed: Sun Dec 20 06:43:09 EST 2009; Expires: Mon Dec 21 06:43:09 EST 2009
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.4); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 12-21-09 Time Conducted: 0700 AM/PM

Inspector Signature: [signature]

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓

Record last "Start Fill Date" for tanks

D-1053	D-1054	D-1081	D-1082
12-03-09	11-24-09	11-19-09	11-21-09

Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 0 psi (Must be between 1 and 7 psi)

Verify the enclosure pressure is in the Green Zone ✓

Report and record below, all malfunctions and deficiencies to Shift Supervisor

COMMENTS

Dust collector was off.

On going vessel entry into D-1053-54. Some debris & tools in dikes.

UNCONTROLLED COPY
Printed: Mon Dec 21 06:26:56 EST 2009; Expires: Tue Dec 22 06:26:56 EST 2009
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.4); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 12-22-09 Time Conducted: 0630 AM / PM

Inspector Signature: [signature]

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for tanks D-1053 12-03-09 D-1054 11-24-09 D-1081 11-19-09 D-1082 11-21-09	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 9.5 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	✓
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

Dust collector Photohelix @ 9.5 psi

On going Vessel entry D-1053/54.

UNCONTROLLED COPY
Printed: Tue Dec 22 06:14:12 EST 2009; Expires: Wed Dec 23 06:14:12 EST 2009
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.4); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 12-23-09 Time Conducted: 07:00 AM/PM

Inspector Signature: Bob Cardall

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓

Record last "Start Fill Date" for tanks

D-1053	D-1054	D-1081	D-1082
12-3	11-24	11-19	11-21

Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 9.4 psi (Must be between 1 and 7 psi)

Verify the enclosure pressure is in the Green Zone ✓

Report and record below, all malfunctions and deficiencies to Shift Supervisor

COMMENTS

UNCONTROLLED COPY
Printed: Wed Dec 23 13:33:26 EST 2009; Expires: Thu Dec 24 13:33:26 EST 2009
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.4); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 12-24-09 Time Conducted: 3:30 AM / PM

Inspector Signature: (Amber Jerome)

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	N/A
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for tanks D-1053 ____ D-1054 ____ D-1081 ____ D-1082 ____	N/A
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 0 psi (Must be between 1 and 7 psi) ← Not operating due to shut down of SGO for repairs.	
Verify the enclosure pressure is in the Green Zone	✓

Report and record below, all malfunctions and deficiencies to Shift Supervisor

COMMENTS

1053, 1054 & SGO are down for repairs - tanks are empty

UNCONTROLLED COPY
Printed: Thu Dec 24 14:15:14 EST 2009; Expires: Fri Dec 25 14:15:14 EST 2009
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.4); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 10-25-09 Time Conducted: 830 AM / PM

Inspector Signature: David Kelly

Inspected all tank outlet valves and fittings for leaks	OK
Inspected containment dikes for corrosion, damage, and/or leaks	OK
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	OK
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	OK
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	OK
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	OK
Record last "Start Fill Date" for tanks D-1053 12-7-09 D-1054 11-24-09 D-1081 11-19-9 D-1082 10-21-9	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 6.1 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	OK
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

UNCONTROLLED COPY
Printed: Fri Dec 25 08:00:06 EST 2009; Expires: Sat Dec 26 08:00:06 EST 2009
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.4); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 12/28/09 Time Conducted: 10:30 AM (PM)

Inspector Signature: Jeff Dezo

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓

Record last "Start Fill Date" for tanks

D-1053	D-1054	D-1081	D-1082
MT	MT	11/19/09	11/21/09

Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 7 psi (Must be between 1 and 7 psi)

Verify the enclosure pressure is in the Green Zone ✓

Report and record below, all malfunctions and deficiencies to Shift Supervisor

COMMENTS

UNCONTROLLED COPY
Printed: Mon Dec 28 20:31:57 EST 2009; Expires: Tue Dec 29 20:31:57 EST 2009
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.4); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 12-28-2009 Time Conducted: 6 AM/PM

Inspector Signature: James Simpson

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓

Record last "Start Fill Date" for tanks

D-1053	D-1054	D-1081	D-1082
12-3	12-3	11-19	11-21

Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix ~~20~~ psi (Must be between 1 and 7 psi)
OFF.

Verify the enclosure pressure is in the Green Zone ✓

Report and record below, all malfunctions and deficiencies to Shift Supervisor

COMMENTS

UNCONTROLLED COPY
Printed: Mon Dec 28 05:31:45 EST 2009; Expires: Tue Dec 29 05:31:45 EST 2009
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.4); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 12/29/09 Time Conducted: 1:00 AM / PM

Inspector Signature: [signature]

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for tanks D-1053 12/3 D-1054 11/24 D-1081 11/19 D-1082 11/21	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 4.2 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	✓
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

UNCONTROLLED COPY
Printed: Tue Dec 29 06:41:28 EST 2009; Expires: Wed Dec 30 06:41:28 EST 2009
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.4); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 12-30-2009 Time Conducted: 7:00 AM / PM

Inspector Signature: James Simpson

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓

Record last "Start Fill Date" for tanks

D-1053	D-1054	D-1081	D-1082
OPEN MT	OPEN MT	12-23	12-21

Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix OFF psi (Must be between 1 and 7 psi)

Verify the enclosure pressure is in the Green Zone ✓

Report and record below, all malfunctions and deficiencies to Shift Supervisor

COMMENTS

UNCONTROLLED COPY
Printed: Wed Dec 30 06:01:12 EST 2009; Expires: Thu Dec 31 06:01:12 EST 2009
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.4); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 12/30/09 Time Conducted: 0300 AM / PM

Inspector Signature: [signature]

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓

Record last "Start Fill Date" for tanks

D-1053	D-1054	D-1081	D-1082
*	*	12/19/09	

Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 0 psi (Must be between 1 and 7 psi) Blower is OFF.

Verify the enclosure pressure is in the Green Zone ✓

Report and record below, all malfunctions and deficiencies to Shift Supervisor

COMMENTS

D-1053 & D-1054 are currently empty + out of service for maintenance repair.

UNCONTROLLED COPY
Printed: Wed Dec 30 22:00:26 EST 2009; Expires: Thu Dec 31 22:00:26 EST 2009
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.4); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 12/31/09 Time Conducted: 11:30 AM / PM

Inspector Signature: [signature]

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for tanks D-1053 12/3, D-1054 11/24, D-1081 12/23, D-1082 11/21	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix Ø psi (Must be between 1 and 7 psi) DOWN	
Verify the enclosure pressure is in the Green Zone	✓
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

D-1054 NEEDS NEW SHEET FOR ACCUMULATION DATES

UNCONTROLLED COPY
Printed: Thu Dec 31 11:46:36 EST 2009; Expires: Fri Jan 01 11:46:36 EST 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.4); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 11-30-09 Time Conducted: 7:40 AM / PM

Inspector Signature: James Simpson

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for tanks D-1053 11-24 D-1054 11-24 D-1081 11-19 D-1082 11-21	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 5.4 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	✓
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

UNCONTROLLED COPY
Printed: Mon Nov 30 07:40:12 EST 2009; Expires: Tue Dec 01 07:40:12 EST 2009
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.3); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 11 29-09 Time Conducted: 10:45 AM / PM

Inspector Signature: Bob [signature]

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓

Record last "Start Fill Date" for tanks D-1053 11-24 D-1054 11 24 D-1081 11-19 D-1082 11-21

Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix OFF psi (Must be between 1 and 7 psi)

Verify the enclosure pressure is in the Green Zone ✓

Report and record below, all malfunctions and deficiencies to Shift Supervisor

COMMENTS

UNCONTROLLED COPY
Printed: Sun Nov 29 10:37:28 EST 2009; Expires: Mon Nov 30 10:37:28 EST 2009
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.3); Owner Name: Boehme, John

BASF The Chemical Company JPP Procedure Wyandotte	Title: Hazardous Waste Tanks Daily Checklist	
	Function: JPP Standard Operating Procedure	
	No.: JPP-SOP-1000-605	Page: 3 of 3

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 11-28-09 Time Conducted: 09:30 AM / PM

Inspector Signature: Bob Cardall

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓

Record last "Start Fill Date" for tanks D-1053 11-24 D-1054 11-24 D-1081 11-19 D-1082 11-21

Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix OFF psi (Must be between 1 and 7 psi)

Verify the enclosure pressure is in the Green Zone ✓

Report and record below, all malfunctions and deficiencies to Shift Supervisor

COMMENTS

PSV LEAKING INSIDE OF D-1054 CONTAINMENT DIKE.

CARDITOL ALSO IN D-1054 DIKE FROM PSI WORK BEING DONE.

UNCONTROLLED COPY
Printed: Sat Nov 28 09:18:09 EST 2009; Expires: Sun Nov 29 09:18:09 EST 2009
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.3); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 11-27-09 Time Conducted: 630 (AM) / PM

Inspector Signature: David Kodz

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for tanks D-1053 11-24-09, D-1054 11-24-09, D-1081 11-19-09, D-1082 11-21-9	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 0-1 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	✓
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

UNCONTROLLED COPY
Printed: Fri Nov 27 05:35:07 EST 2009; Expires: Sat Nov 28 05:35:07 EST 2009
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.3); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 11-27-09 Time Conducted: 09:30 AM/PM

Inspector Signature: Bob Crudal

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for tanks D-1053 11-24 D-1054 11-24 D-1081 11-19 D-1082 11-21	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix OFF psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	✓
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

UNCONTROLLED COPY
Printed: Fri Nov 27 09:34:26 EST 2009; Expires: Sat Nov 28 09:34:26 EST 2009
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.3); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 11-26-09 Time Conducted: 9:45 AM / PM

Inspector Signature: Bob Crabel

Inspected all tank outlet valves and fittings for leaks	☑
Inspected containment dikes for corrosion, damage, and/or leaks	☑
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	☑
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	☑
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	☑
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	☑

Record last "Start Fill Date" for tanks

D-1053	D-1054	D-1081	D-1082
11-24	11-24	11-19	11-21

Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix OFF psi (Must be between 1 and 7 psi)

Verify the enclosure pressure is in the Green Zone ☐

Report and record below, all malfunctions and deficiencies to Shift Supervisor

COMMENTS

UNCONTROLLED COPY
Printed: Thu Nov 26 09:43:31 EST 2009; Expires: Fri Nov 27 09:43:31 EST 2009
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.3); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 11/25/09 Time Conducted: 0630 AM / PM

Inspector Signature: [signature]

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for tanks D-1053 10/27 D-1054 10/27 D-1081 11/19 D-1082 11/21	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 5.4 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	✓
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

UNCONTROLLED COPY
Printed: Wed Nov 25 06:28:30 EST 2009; Expires: Thu Nov 26 06:28:30 EST 2009
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.3); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 11/24/09 Time Conducted: 0800 AM / PM

Inspector Signature: [signature]

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓

Record last "Start Fill Date" for tanks

D-1053	D-1054	D-1081	D-1082
10/27/09	10/27/09	11/19/09	11/21/09

Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 0 psi (Must be between 1 and 7 psi) Unit is off

Verify the enclosure pressure is in the Green Zone ✓

Report and record below, all malfunctions and deficiencies to Shift Supervisor

COMMENTS

UNCONTROLLED COPY
Printed: Tue Nov 24 07:52:23 EST 2009; Expires: Wed Nov 25 07:52:23 EST 2009
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.3); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 11/23/09 Time Conducted: 7:00 AM / PM

Inspector Signature: [illegible]

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for tanks D-1053 10/27, D-1054 10/27, D-1081 10/29, D-1082 10/24	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix _____psi (Must be between 1 and 7 psi) PLANT IS DOWN	
Verify the enclosure pressure is in the Green Zone	✓
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

PSV'S ARE LIFTING IN D-1053 & D-1054 DYKES

UNCONTROLLED COPY
Printed: Mon Nov 23 17:40:14 EST 2009; Expires: Tue Nov 24 17:40:14 EST 2009
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1:3); Owner Name: Boehme, John

BASF The Chemical Company JPP Procedure Wyandotte	Title: Hazardous Waste Tanks Daily Checklist	
	Function: JPP Standard Operating Procedure	
	No.: JPP-SOP-1000-605	Page: 3 of 3

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 11·22·09 Time Conducted: 0200 AM / PM

Inspector Signature: George Kij

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for tanks D-1053 10·27·09, D-1054 10·27·09, D-1081 10·27·09, D-1082 10·24·09	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix _____psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	✓
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

D- 1053 HAS trash in dyke
D- 1054 HAS trash in dyke
Dust Collector's Not running as of yet

UNCONTROLLED COPY
Printed: Sun Nov 22 12:09:50 EST 2009; Expires: Mon Nov 23 12:09:50 EST 2009
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.3); Owner Name: Boehme, John

BASF The Chemical Company JPP Procedure Wyandotte	Title: Hazardous Waste Tanks Daily Checklist	
	Function: JPP Standard Operating Procedure	
	No.: JPP-SOP-1000-605	Page: 3 of 3

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 11·21·09 Time Conducted: 0600 AM / PM

Inspector Signature: George Kij

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for tanks D-1053 10·27·09 D-1054 10·27·09 D-1081 10·27·09 D-1082 10·24·09	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix _____psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	✓
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

D-1053 HAS Trash in dyke
D-1054 HAS Trash in dyke
Dust Collector didn't run today

UNCONTROLLED COPY
Printed: Sun Nov 22 12:09:50 EST 2009; Expires: Mon Nov 23 12:09:50 EST 2009
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.3); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 11-20-09 Time Conducted: 2 AM / PM

Inspector Signature: James Simpson

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...) HYDROBLAST WATER 1053-1054	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for tanks D-1053 10-27 D-1054 10-27 D-1081 10-27 D-1082 10-27	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix Ø psi (Must be between 1 and 7 psi) SPS-560 DOWN FOR MAINTANCE	
Verify the enclosure pressure is in the Green Zone	✓
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

11-19-2009
D-1082 - Completely Emptied
11-18-2009

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Printed: Fri Nov 20 15:31:16 EST 2009; Expires: Sat Nov 21 15:31:16 EST 2009
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.3); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 11-19-2009 Time Conducted: 7:10 (AM) PM

Inspector Signature: James Simpson

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for tanks D-1053 ____ D-1054 ____ D-1081 10-24 D-1082 10-24	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 1.1 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	✓
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

UNCONTROLLED COPY
Printed: Thu Nov 19 06:59:22 EST 2009; Expires: Fri Nov 20 06:59:22 EST 2009
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.3); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 11·18·09 Time Conducted: 0700 AM / PM

Inspector Signature: George King

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for tanks D-1053 10·27·09 D-1054 10·27·09 D-1081 10·27·09 D-1082 10·24·09	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 5 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	✓
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

1054 HAS Trash in dyke

UNCONTROLLED COPY
Printed: Wed Nov 18 06:54:47 EST 2009; Expires: Thu Nov 19 06:54:47 EST 2009
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.3); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 11-11-2009 Time Conducted: 7:00 AM / PM

Inspector Signature: James Simpson

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓

Record last "Start Fill Date" for tanks

D-1053	D-1054	D-1081	D-1082
10-27-09	10-27-09	N/A	10-24-09

Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 3.8 psi (Must be between 1 and 7 psi)

Verify the enclosure pressure is in the Green Zone ✓

Report and record below, all malfunctions and deficiencies to Shift Supervisor

COMMENTS

UNCONTROLLED COPY
Printed: Wed Nov 11 06:51:21 EST 2009; Expires: Thu Nov 12 06:51:21 EST 2009
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.3); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 11·17·09 Time Conducted: 0700 (AM)/ PM

Inspector Signature: George [illegible]

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for tanks D-1053 10·27·09 D-1054 10·27·09 D-1081 10·27·09 D-1082 10·24·09	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 5 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	✓
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

D-1053/54 HAS INSULATION SCRAP AND WATER IN DIKES

UNCONTROLLED COPY
Printed: Tue Nov 17 06:42:38 EST 2009; Expires: Wed Nov 18 06:42:38 EST 2009
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.3); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 11-16-09 Time Conducted: 7:05 AM / PM

Inspector Signature: James Simpson

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for tanks D-1053 10-27, D-1054 10-27, D-1081 10-24, D-1082 10-24	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 3.8 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	✓
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

UNCONTROLLED COPY
Printed: Mon Nov 16 06:59:16 EST 2009; Expires: Tue Nov 17 06:59:16 EST 2009
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.3); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 11-15-09 Time Conducted: 7:30 (AM) / PM

Inspector Signature: John Benjamin

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓

Record last "Start Fill Date" for tanks

D-1053	D-1054	D-1081	D-1082
10-27-09	10-27-09	10-22-09	10-24-09

Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 0 psi (Must be between 1 and 7 psi) – DUST COLLECTOR IS OFF - JAB

Verify the enclosure pressure is in the Green Zone ✓

Report and record below, all malfunctions and deficiencies to Shift Supervisor

COMMENTS

UNCONTROLLED COPY
Printed: Sat Nov 14 09:40:06 EST 2009; Expires: Sun Nov 15 09:40:06 EST 2009
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.3); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 11-14-09 Time Conducted: 9:35 (AM) / PM

Inspector Signature: John Benjamin

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for tanks D-1053 10/27/09, D-1054 10/27/09, D-1081 10/27/09, D-1082 10/24/09	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 0 psi (Must be between 1 and 7 psi) – System is off line	
Verify the enclosure pressure is in the Green Zone	✓
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

UNCONTROLLED COPY
Printed: Sat Nov 14 09:30:33 EST 2009; Expires: Sun Nov 15 09:30:33 EST 2009
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.3); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 11-13-2009 Time Conducted: 7:10 (AM) PM

Inspector Signature: James Simpson

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓

Record last "Start Fill Date" for tanks D-1053 10-27 D-1054 10-27 D-1081 10-24 D-1082 10-24

ACCUMULATION START DATE CHANGED

Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 4.3 psi (Must be between 1 and 7 psi)

Verify the enclosure pressure is in the Green Zone ✓

Report and record below, all malfunctions and deficiencies to Shift Supervisor

COMMENTS

UNCONTROLLED COPY
Printed: Fri Nov 13 07:03:59 EST 2009; Expires: Sat Nov 14 07:03:59 EST 2009
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.3); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 11-12-09 Time Conducted: 7:07 AM / PM

Inspector Signature: James Simpson

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for tanks D-1053 10-27 D-1054 10-27 D-1081 10-24 D-1082 10-24	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 3.8 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	✓
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

- D-1054 IN ALARM - SUPVISOR ADVISED
MAINTANCE CONTACTED.

UNCONTROLLED COPY
Printed: Thu Nov 12 07:00:47 EST 2009; Expires: Fri Nov 13 07:00:47 EST 2009
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.3); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 11-10-09 Time Conducted: 5 AM / PM

Inspector Signature: James Simpson

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓

Record last "Start Fill Date" for tanks

D-1053	D-1054	D-1081	D-1082
10-22-09	10-27-09	N/A	10-24-09

Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 4.8 psi (Must be between 1 and 7 psi)

Verify the enclosure pressure is in the Green Zone ✓

Report and record below, all malfunctions and deficiencies to Shift Supervisor

COMMENTS

UNCONTROLLED COPY
Printed: Sat Oct 31 13:14:10 EDT 2009; Expires: Sun Nov 01 12:14:10 EST 2009
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.3); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 11-9-2009 Time Conducted: 7:00 AM / PM

Inspector Signature: James Simpson

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓

Record last "Start Fill Date" for tanks

D-1053	D-1054	D-1081	D-1082
10-27-09	10-27-09	N/A	10-24-09

Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 3.6 psi (Must be between 1 and 7 psi)

Verify the enclosure pressure is in the Green Zone ✓

Report and record below, all malfunctions and deficiencies to Shift Supervisor

COMMENTS

PSV'S IN DIKE AREA.

UNCONTROLLED COPY
Printed: Mon Nov 09 07:02:30 EST 2009; Expires: Tue Nov 10 07:02:30 EST 2009
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.3); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 11/8/09 Time Conducted: 8:20 (AM) / PM

Inspector Signature: [signature]

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓

Record last "Start Fill Date" for tanks

D-1053	D-1054	D-1081	D-1082
10/27/09	10/27/09	—	10/24/09

Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix — psi (Must be between 1 and 7 psi) off no ops today

Verify the enclosure pressure is in the Green Zone ✓

Report and record below, all malfunctions and deficiencies to Shift Supervisor

COMMENTS

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 11/7/09 Time Conducted: 1126 (AM)/ PM

Inspector Signature: Todd C Mitchell

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓

Record last "Start Fill Date" for tanks

D-1053	D-1054	D-1081	D-1082
10/27/09	10/27/09	empty	10/24/09

Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 7 psi (Must be between 1 and 7 psi)

Verify the enclosure pressure is in the Green Zone ✓

Report and record below, all malfunctions and deficiencies to Shift Supervisor

COMMENTS

UNCONTROLLED COPY
Printed: Sat Nov 07 10:52:00 EST 2009; Expires: Sun Nov 08 10:52:00 EST 2009
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.3); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 11-6-09 Time Conducted: 6:25 AM / PM

Inspector Signature: James Simpson

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓

Record last "Start Fill Date" for tanks

D-1053	D-1054	D-1081	D-1082
10-27	10-27	N/A	10-24

Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 3.6 psi (Must be between 1 and 7 psi)

Verify the enclosure pressure is in the Green Zone ✓

Report and record below, all malfunctions and deficiencies to Shift Supervisor

COMMENTS

UNCONTROLLED COPY
Printed: Fri Nov 06 06:15:23 EST 2009; Expires: Sat Nov 07 06:15:23 EST 2009
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.3); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 11/5/09 Time Conducted: 8:00 AM/ PM

Inspector Signature: [signature]

Inspected all tank outlet valves and fittings for leaks	☒
Inspected containment dikes for corrosion, damage, and/or leaks	☒
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	☐
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	☒
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	☑
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for tanks D-1053 10/21/09, D-1054 10/21/09, D-1081 N/A, D-1082 10/21/09	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 3.6 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	☒
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

D-1053 HAS WATER IN DYKE FROM PSV LIFTING

UNCONTROLLED COPY
Printed: Thu Nov 05 07:50:13 EST 2009; Expires: Fri Nov 06 07:50:13 EST 2009
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.3); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 11-04-09 Time Conducted: 0730 AM / PM

Inspector Signature: [signature]

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for tanks D-1053 10-27-09, D-1054 10-27-09, D-1081 /, D-1082 10-24-09	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 3.4 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	✓
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

Water in 1053/1054 Dikes.

Steam leak under Insulation D/1054 Dike.

UNCONTROLLED COPY
Printed: Wed Nov 04 07:23:33 EST 2009; Expires: Thu Nov 05 07:23:33 EST 2009
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.3); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 11-3-09 Time Conducted: 7 AM/ PM

Inspector Signature: James Simpson

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓

Record last "Start Fill Date" for tanks

D-1053	D-1054	D-1081	D-1082
10-27	10-27	N/A	10-24

Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 2.8 psi (Must be between 1 and 7 psi)

Verify the enclosure pressure is in the Green Zone ✓

Report and record below, all malfunctions and deficiencies to Shift Supervisor

COMMENTS

UNCONTROLLED COPY
Printed: Tue Nov 03 07:04:41 EST 2009; Expires: Wed Nov 04 07:04:41 EST 2009
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.3); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 11/2/09 Time Conducted: 8:00 AM/PM

Inspector Signature: [signature]

Inspected all tank outlet valves and fittings for leaks	X
Inspected containment dikes for corrosion, damage, and/or leaks	X
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	X
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	X
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	X
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	N/A

Record last "Start Fill Date" for tanks D-1053 10/27/09 D-1054 10/27/09 D-1081 N/A D-1082 10/24/09

Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 2 psi (Must be between 1 and 7 psi)

Verify the enclosure pressure is in the Green Zone X

Report and record below, all malfunctions and deficiencies to Shift Supervisor

COMMENTS

D-1053 HAS DEBRIS FROM CONTRACTORS
STEAM LEAK ON D-1054, EMPTIED BUCKET AND REPLACED PILLMAT
AIRLOCK START NOT RESPONDING ON DUST COLLECTOR, CONTACTING MAINTAINACE

UNCONTROLLED COPY
Printed: Mon Nov 02 07:29:20 EST 2009; Expires: Tue Nov 03 07:29:20 EST 2009
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.3); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 11/1/09 Time Conducted: 0730 (AM) PM

Inspector Signature: [signature]

Inspected all tank outlet valves and fittings for leaks	[signature]
Inspected containment dikes for corrosion, damage, and/or leaks	[signature]
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	[signature]
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	[signature]
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	[signature]
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	N/A

Record last "Start Fill Date" for tanks

D-1053	D-1054	D-1081	D-1082
10/29/09	10/27/09	0	10/24/09

Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 2 psi (Must be between 1 and 7 psi)

Verify the enclosure pressure is in the Green Zone [signature]

Report and record below, all malfunctions and deficiencies to Shift Supervisor

COMMENTS

UNCONTROLLED COPY
Printed: Sat Oct 31 13:14:10 EDT 2009; Expires: Sun Nov 01 12:14:10 EST 2009
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.3); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 9-1-10 Time Conducted: 0730 AM / PM

Inspector Signature: [signature]

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for tanks D-1053 8-19-10 D-1054 8-19-10 D-1081 8-11-10 D-1082 7-22-10	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 7 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	✓
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

- D-1054 HAS NO CONFINED SPACE LABEL

UNCONTROLLED COPY
Printed: Wed Sep 01 07:19:33 EDT 2010; Expires: Thu Sep 02 07:19:33 EDT 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.0); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 9-2-10 Time Conducted: 0600 (AM) PM

Inspector Signature: [signature]

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	*✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for tanks D-1053 8-19-10 D-1054 8-19-10 D-1081 8-11-10 D-1082 7-22-10	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 7 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	✓
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

D-1054 = NO CONFINED SPACE SIGN YET!

UNCONTROLLED COPY
Printed: Thu Sep 02 05:42:55 EDT 2010; Expires: Fri Sep 03 05:42:55 EDT 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.4); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 9/3/10 Time Conducted: 0620 AM / PM

Inspector Signature: _____

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for tanks D-1053 8/19/10 D-1054 8/19/10 D-1081 8/11/10 D-1082 7/22/10	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 5.5 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	✓
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

UNCONTROLLED COPY
Printed: Fri Sep 03 06:26:44 EDT 2010; Expires: Sat Sep 04 06:26:44 EDT 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc; Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 9-4-10 Time Conducted: 0700 AM / PM

Inspector Signature: [signature]

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓

Record last "Start Fill Date" for tanks

D-1053	D-1054	D-1081	D-1082
8-19-10	8-19-10	8-11-10	7-22-10

Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 8 psi (Must be between 1 and 7 psi)

Verify the enclosure pressure is in the Green Zone ✓

Report and record below, all malfunctions and deficiencies to Shift Supervisor

COMMENTS

UNCONTROLLED COPY
Printed: Sat Sep 04 06:50:50 EDT 2010; Expires: Sun Sep 05 06:50:50 EDT 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc; Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 9/5/10 Time Conducted: 0620 AM / PM

Inspector Signature: Keith Rudzto

Inspected all tank outlet valves and fittings for leaks	☑
Inspected containment dikes for corrosion, damage, and/or leaks	☑
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	☑
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	☑
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	☑
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	☑
Record last "Start Fill Date" for tanks D-1053 8/19/10 D-1054 9/5/10 D-1081 8/11/10 D-1082 7/22/10	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 6.2 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	☑
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

UNCONTROLLED COPY
Printed: Sun Sep 05 06:24:08 EDT 2010; Expires: Mon Sep 06 06:24:08 EDT 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc; Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 9·6·10 Time Conducted: 7 AM / PM

Inspector Signature: [signature]

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	GMD
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for tanks D-1053 8/19 D-1054 9/5 D-1081 8/11 D-1082 7/24	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 0.2 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	✓
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

UNCONTROLLED COPY
Printed: Mon Sep 06 05:46:57 EDT 2010; Expires: Tue Sep 07 05:46:57 EDT 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc; Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 9/7/10 Time Conducted: 0700 AM / PM

Inspector Signature:

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓

Record last "Start Fill Date" for tanks

D-1053	D-1054	D-1081	D-1082
8/19	9/7	8/11	7/22

Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 6 psi (Must be between 1 and 7 psi)

Verify the enclosure pressure is in the Green Zone ✓

Report and record below, all malfunctions and deficiencies to Shift Supervisor

COMMENTS

UNCONTROLLED COPY
Printed: Tue Sep 07 05:50:24 EDT 2010; Expires: Wed Sep 08 05:50:24 EDT 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc; Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 9-9-10 Time Conducted: 06:30 AM / PM

Inspector Signature: BR Eddy

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for tanks D-1053 8-23 D-1054 9-5 D-1081 8-11 D-1082 7-22	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 7.0 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	✓
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

UNCONTROLLED COPY
Printed: Wed Sep 08 05:43:26 EDT 2010; Expires: Thu Sep 09 05:43:26 EDT 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc; Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 9-10-10 Time Conducted: 0530 AM / PM

Inspector Signature: Bob Cadel

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for tanks D-1053 8-19 D-1054 9-7 D-1081 8-11 D-1082 7-22	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 6.1 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	✓
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

UNCONTROLLED COPY
Printed: Fri Sep 10 05:34:07 EDT 2010; Expires: Sat Sep 11 05:34:07 EDT 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc; Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 9-11-10 Time Conducted: 0513 AM/PM

Inspector Signature: [signature]

Inspected all tank outlet valves and fittings for leaks	☑
Inspected containment dikes for corrosion, damage, and/or leaks	☑
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	☑
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	☑
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	☑
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	☑
Record last "Start Fill Date" for tanks D-1053 8-19 D-1054 9-7 D-1081 8-17 D-1082 7-22	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 6.1 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	☑
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

UNCONTROLLED COPY
Printed: Sat Sep 11 05:41:24 EDT 2010; Expires: Sun Sep 12 05:41:24 EDT 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc; Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 9-12-10 Time Conducted: 0530 AM / PM

Inspector Signature: Bob Colby

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for tanks D-1053 8-19 D-1054 9-7 D-1081 8-18 D-1082 7-22	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 6.0 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	✓
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

UNCONTROLLED COPY
Printed: Sun Sep 12 05:42:16 EDT 2010; Expires: Mon Sep 13 05:42:16 EDT 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc; Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 9-13-10 Time Conducted: 0600 (AM) / PM

Inspector Signature: [signature]

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓

Record last "Start Fill Date" for tanks D-1053 8-19-10 D-1054 9-7-10 D-1081 8-11-10 D-1082 7-22-10

Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 9 psi (Must be between 1 and 7 psi)

Verify the enclosure pressure is in the Green Zone ✓

Report and record below, all malfunctions and deficiencies to Shift Supervisor

COMMENTS

UNCONTROLLED COPY
Printed: Mon Sep 13 05:55:08 EDT 2010; Expires: Tue Sep 14 05:55:08 EDT 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc; Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 9-14-10 Time Conducted: 0605 (AM) / PM

Inspector Signature: Chris Garrett

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for tanks D-1053 8-19-10 D-1054 9-7-10 D-1081 8-11-10 D-1082 7-22-10	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 8 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	✓
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

UNCONTROLLED COPY
Printed: Tue Sep 14 05:55:48 EDT 2010; Expires: Wed Sep 15 05:55:48 EDT 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc; Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 9-15-10 Time Conducted: 0605 AM / PM

Inspector Signature: [signature]

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓

Record last "Start Fill Date" for tanks

D-1053	D-1054	D-1081	D-1082
8-19-10	9-7-10	8-11-10	7-22-10

Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 7 psi (Must be between 1 and 7 psi)

Verify the enclosure pressure is in the Green Zone ✓

Report and record below, all malfunctions and deficiencies to Shift Supervisor

COMMENTS

UNCONTROLLED COPY
Printed: Wed Sep 15 05:59:31 EDT 2010; Expires: Thu Sep 16 05:59:31 EDT 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc: Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 9/16/10 Time Conducted: 0700 AM / PM

Inspector Signature: [signature]

Inspected all tank outlet valves and fittings for leaks	☑
Inspected containment dikes for corrosion, damage, and/or leaks	☑
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	☑
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	☑
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	☑
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	☑
Record last "Start Fill Date" for tanks D-1053 7/23/10 D-1054 9/5/10 D-1081 8/11/10 D-1082 7/22/10	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 6.4 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	☑
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

UNCONTROLLED COPY
Printed: Thu Sep 16 06:49:51 EDT 2010; Expires: Fri Sep 17 06:49:51 EDT 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc; Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 9-20-10 Time Conducted: 05:30 AM / PM

Inspector Signature: [signature]

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for tanks D-1053: 8-19 D-1054: 9-7 D-1081: 8-11 D-1082: 7-22	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 5.8 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	✓
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

UNCONTROLLED COPY
Printed: Mon Sep 20 05:33:13 EDT 2010; Expires: Tue Sep 21 05:33:13 EDT 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc; Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 9-21-10 Time Conducted: 05:30 AM / PM

Inspector Signature: [signature]

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓

Record last "Start Fill Date" for tanks

D-1053	D-1054	D-1081	D-1082
8-19	9-7	8-11	7-22

Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 5.7 psi (Must be between 1 and 7 psi)

Verify the enclosure pressure is in the Green Zone ✓

Report and record below, all malfunctions and deficiencies to Shift Supervisor

COMMENTS

UNCONTROLLED COPY
Printed: Tue Sep 21 05:31:26 EDT 2010; Expires: Wed Sep 22 05:31:26 EDT 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc; Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 9-22-10 Time Conducted: 5:32 AM / PM

Inspector Signature: Bob Cedar

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for tanks D-1053 8-17 D-1054 9-7 D-1081 8-11 D-1082 7-22	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 6.0 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	✓
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

UNCONTROLLED COPY
Printed: Wed Sep 22 05:38:05 EDT 2010; Expires: Thu Sep 23 05:38:05 EDT 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc; Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 9-23-10 Time Conducted: 05:30 AM / PM

Inspector Signature: Bob [signature]

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓

Record last "Start Fill Date" for tanks

D-1053	D-1054	D-1081	D-1082
8-19	4-7	9-22	9-22

Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 6.3 psi (Must be between 1 and 7 psi)

Verify the enclosure pressure is in the Green Zone ✓

Report and record below, all malfunctions and deficiencies to Shift Supervisor

COMMENTS

UNCONTROLLED COPY
Printed: Thu Sep 23 05:36:28 EDT 2010; Expires: Fri Sep 24 05:36:28 EDT 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc; Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 9-24-2010 Time Conducted: 7 AM / PM

Inspector Signature: James Simpson

Inspected all tank outlet valves and fittings for leaks ☑
A LINE LEAK. N2 - TO PUMP.

Inspected containment dikes for corrosion, damage, and/or leaks ☑

Inspected all containment areas for cleanliness (I.E. trash, water, etc...) ☑
DIRTY / WATER - 1053 1054

Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels ☑

Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS ☑
GMCD

Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days ☑

Record last "Start Fill Date" for tanks

D-1053	D-1054	D-1081	D-1082
8-19	9-7	9-22	9-22

Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 5.4 psi (Must be between 1 and 7 psi)

Verify the enclosure pressure is in the Green Zone ☑

Report and record below, all malfunctions and deficiencies to Shift Supervisor

COMMENTS

UNCONTROLLED COPY
Printed: Fri Sep 24 06:49:13 EDT 2010; Expires: Sat Sep 25 06:49:13 EDT 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc; Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 9-25-10 Time Conducted: 730 AM/ PM

Inspector Signature: JW Simpson

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓

Record last "Start Fill Date" for tanks

D-1053	D-1054	D-1081	D-1082
8-19	9-7	9-24	9-24

Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 8.2 psi (Must be between 1 and 7 psi)

Verify the enclosure pressure is in the Green Zone ✓

Report and record below, all malfunctions and deficiencies to Shift Supervisor

COMMENTS

Dust Collector in High Range

UNCONTROLLED COPY
Printed: Sat Sep 25 05:45:59 EDT 2010; Expires: Sun Sep 26 05:45:59 EDT 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc; Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 9-26-10 Time Conducted: 6 AM / PM

Inspector Signature: James Simpson

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓

Record last "Start Fill Date" for tanks D-1053 8-19 D-1054 9-7 D-1081 9-24 D-1082 9-24

Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 88 psi (Must be between 1 and 7 psi)

Verify the enclosure pressure is in the Green Zone ✓

Report and record below, all malfunctions and deficiencies to Shift Supervisor

COMMENTS

UNCONTROLLED COPY
Printed: Sun Sep 26 05:40:47 EDT 2010; Expires: Mon Sep 27 05:40:47 EDT 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc; Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 9-27-10 Time Conducted: 0600 AM / PM

Inspector Signature: [signature]

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for tanks D-1053 8-19-10 D-1054 9-7-10 D-1081 9-24-10 D-1082 9-24-10	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 6 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	✓
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

DUST COLLECTOR BAG WAS FULL: Changed out.

UNCONTROLLED COPY
Printed: Mon Sep 27 07:04:20 EDT 2010; Expires: Tue Sep 28 07:04:20 EDT 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc; Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 9-28-10 Time Conducted: 0600 AM / PM

Inspector Signature: [signature]

Inspected all tank outlet valves and fittings for leaks	* See NOTE
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for tanks D-1053 8-19-10, D-1054 9-7-10, D-1081 9-24-10, D-1082 9-24-10	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 8 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	✓
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

P-1081 LEAKS @ FLEX FITTING - TIGHTENED BOLTS + NOTIFIED MAINT.

UNCONTROLLED COPY
Printed: Tue Sep 28 05:56:42 EDT 2010; Expires: Wed Sep 29 05:56:42 EDT 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc; Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 9-29-10 Time Conducted: 0600 AM / PM

Inspector Signature: [signature]

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓ See NOTE
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for tanks D-1053 8-19-10 D-1054 9-7-10 D-1081 9-24-10 D-1082 9-24-10	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 7 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	✓
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

NOTE • No "CONFINED SPACE" SIGN ON D-1054 ~ OLD ONE BROKE OFF

UNCONTROLLED COPY
Printed: Wed Sep 29 05:42:34 EDT 2010; Expires: Thu Sep 30 05:42:34 EDT 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc; Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 9-30-10 Time Conducted: 0600 AM / PM

Inspector Signature: [signature]

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓

Record last "Start Fill Date" for tanks D-1053 8-19-10 D-1054 9-9-10 D-1081 9-24-10 D-1082 9-24-10

Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 1 psi (Must be between 1 and 7 psi)

Verify the enclosure pressure is in the Green Zone ✓

Report and record below, all malfunctions and deficiencies to Shift Supervisor

COMMENTS

UNCONTROLLED COPY
Printed: Thu Sep 30 05:50:33 EDT 2010; Expires: Fri Oct 01 05:50:33 EDT 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc; Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 7-1-10 Time Conducted: 05:30 AM/PM

Inspector Signature: [signature]

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓

Record last "Start Fill Date" for tanks

D-1053	D-1054	D-1081	D-1082
6-	6-9	5-26	5-26

Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 5.6 psi (Must be between 1 and 7 psi)

Verify the enclosure pressure is in the Green Zone ✓

Report and record below, all malfunctions and deficiencies to Shift Supervisor

COMMENTS

UNCONTROLLED COPY
Printed: Thu Jul 01 05:38:21 EDT 2010; Expires: Fri Jul 02 05:38:21 EDT 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.4); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 7:2:10 Time Conducted: 930 AM / PM

Inspector Signature: James Simpson

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS GM	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for tanks D-1053 6-30 D-1054 6-9 D-1081 5-26 D-1082 5-26	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 5.2 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	✓
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

UNCONTROLLED COPY
Printed: Fri Jul 02 05:37:50 EDT 2010; Expires: Sat Jul 03 05:37:50 EDT 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.4); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 7/3/10 Time Conducted: 6 AM / PM

Inspector Signature: [signature]

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓

Record last "Start Fill Date" for tanks

D-1053	D-1054	D-1081	D-1082
6/30	7/2	5/24	5/26

Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 5.2 psi (Must be between 1 and 7 psi)

Verify the enclosure pressure is in the Green Zone ✓

Report and record below, all malfunctions and deficiencies to Shift Supervisor

COMMENTS

UNCONTROLLED COPY
Printed: Sat Jul 03 05:48:02 EDT 2010; Expires: Sun Jul 04 05:48:02 EDT 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.4); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 7-4-10 Time Conducted: 6 AM/ PM

Inspector Signature: James Simpson

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓

Record last "Start Fill Date" for tanks

D-1053	D-1054	D-1081	D-1082
4-30	7-2	5-26	5-26

Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 5 psi (Must be between 1 and 7 psi)

Verify the enclosure pressure is in the Green Zone ✓

Report and record below, all malfunctions and deficiencies to Shift Supervisor

COMMENTS

UNCONTROLLED COPY
Printed: Sun Jul 04 05:55:11 EDT 2010; Expires: Mon Jul 05 05:55:11 EDT 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.4); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 7/5/10 Time Conducted: 11:30 AM / PM

Inspector Signature: [signature]

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for tanks D-1053 6/30 D-1054 7/2 D-1081 5/26 D-1082 5/26	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 5.2 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	✓
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

UNCONTROLLED COPY
Printed: Mon Jul 05 09:51:27 EDT 2010; Expires: Tue Jul 06 09:51:27 EDT 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.4); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 7-6-10 Time Conducted: 0630 AM / PM

Inspector Signature: [signature]

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for tanks D-1053 6-30 ~~D-1054~~ 7-2 D-1081 5-26 D-1082 5-26	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 5.8 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	✓
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

D-1081 / 82 need to be emptied

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Printed: Tue Jul 06 06:07:45 EDT 2010; Expires: Wed Jul 07 06:07:45 EDT 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.4); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 7-7-10 Time Conducted: 0600 AM / PM

Inspector Signature: [signature]

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for tanks D-1053 6-30 D-1054 7-2 D-1081 5-26 D-1082 5-26	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 5 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	✓
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

UNCONTROLLED COPY
Printed: Wed Jul 07 06:01:49 EDT 2010; Expires: Thu Jul 08 06:01:49 EDT 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.4); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 7-8-10 Time Conducted: 06:00 AM / PM

Inspector Signature: B.B [signature]

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for tanks D-1053 6-30 D-1054 7-2 D-1081 5-26 D-1082 5-26	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 5.0 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	✓
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

UNCONTROLLED COPY
Printed: Thu Jul 08 05:59:15 EDT 2010; Expires: Fri Jul 09 05:59:15 EDT 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.4); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 7-9-2010 Time Conducted: 7:00 AM / PM

Inspector Signature: [signature]

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓

Record last "Start Fill Date" for tanks

D-1053	D-1054	D-1081	D-1082
6-30-2010	7-2-2010	5-26-2010	5-26-2010

Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 5.2 psi (Must be between 1 and 7 psi)

Verify the enclosure pressure is in the Green Zone ✓

Report and record below, all malfunctions and deficiencies to Shift Supervisor

COMMENTS

UNCONTROLLED COPY
Printed: Fri Jul 09 06:56:32 EDT 2010; Expires: Sat Jul 10 06:56:32 EDT 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.4); Owner Name: Boehme, John

BASF The Chemical Company JPP Procedure Wyandotte	Title: Hazardous Waste Tanks Daily Checklist	
	Function: JPP Standard Operating Procedure	
	No.: JPP-SOP-1000-605	Page: 3 of 3

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 7-10-2010 Time Conducted: 6:35 AM/PM

Inspector Signature: Dani Schuebel

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for tanks D-1053 7-2-2010 D-1054 7-2-2010 D-1081 5-26-2010 D-1082 5-26-2010	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 5.3 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	✓
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

UNCONTROLLED COPY
Printed: Sat Jul 10 06:30:38 EDT 2010; Expires: Sun Jul 11 06:30:38 EDT 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.0); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 7-11-10 Time Conducted: 0615 (AM) / PM

Inspector Signature: [signature]

Inspected all tank outlet valves and fittings for leaks	☑
Inspected containment dikes for corrosion, damage, and/or leaks	☑
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	☑
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	☑
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	☑
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	☑
Record last "Start Fill Date" for tanks D-1053 6-30-10 D-1054 7-2-10 D-1081 5-26-10 D-1082 5-26-10	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 5.5 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	☑
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

UNCONTROLLED COPY
Printed: Sun Jul 11 06:22:09 EDT 2010; Expires: Mon Jul 12 06:22:09 EDT 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.4); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 7-12-2010 Time Conducted: 1 AM/PM

Inspector Signature: J Simpson

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓ RD
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for tanks D-1053 6-30 D-1054 7-2 D-1081 5-21 D-1082 5-26	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 4.2 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	✓
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

UNCONTROLLED COPY
Printed: Mon Jul 12 05:40:56 EDT 2010; Expires: Tue Jul 13 05:40:56 EDT 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.4); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 7-13-10 Time Conducted: 630 (AM) PM

Inspector Signature: James Simpson

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for tanks D-1053: 6-30; D-1054: 7-2; D-1081: 5-26; D-1082: 5-26	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 4.4 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	✓
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

UNCONTROLLED COPY
Printed: Tue Jul 13 05:46:47 EDT 2010; Expires: Wed Jul 14 05:46:47 EDT 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.4); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 7-14-2010 Time Conducted: 7 AM / PM

Inspector Signature: James Simpson

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓

Record last "Start Fill Date" for tanks D-1053 6-30 D-1054 7-2 D-1081 5-26 D-1082 5-26

Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 4.4 psi (Must be between 1 and 7 psi)

Verify the enclosure pressure is in the Green Zone ✓

Report and record below, all malfunctions and deficiencies to Shift Supervisor

COMMENTS

UNCONTROLLED COPY
Printed: Wed Jul 14 05:40:35 EDT 2010; Expires: Thu Jul 15 05:40:35 EDT 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.4); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 7-16-10 Time Conducted: 05:30 AM/PM

Inspector Signature: Bob [illegible]

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for tanks D-1053 6-30 D-1054 7-2 D-1081 5-26 D-1082 5-26	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 4.2 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	✓
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

UNCONTROLLED COPY
Printed: Fri Jul 16 05:31:43 EDT 2010; Expires: Sat Jul 17 05:31:43 EDT 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.0); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 7-17-10 Time Conducted: 05:30 AM / PM

Inspector Signature: Bob [illegible]

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓

Record last "Start Fill Date" for tanks

D-1053	D-1054	D-1081	D-1082
6-30	7-2	7-15	7-13

Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 4.7 psi (Must be between 1 and 7 psi) ✓

Verify the enclosure pressure is in the Green Zone ✓

Report and record below, all malfunctions and deficiencies to Shift Supervisor

COMMENTS

UNCONTROLLED COPY
Printed: Sat Jul 17 05:37:24 EDT 2010; Expires: Sun Jul 18 05:37:24 EDT 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.4); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 7/18/10 Time Conducted: 0600 AM / PM

Inspector Signature:

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for tanks D-1053 6/30 D-1054 7/2 D-1081 7/14 D-1082 7/14	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 4 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	✓
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

UNCONTROLLED COPY
Printed: Mon Jul 19 05:37:31 EDT 2010; Expires: Tue Jul 20 05:37:31 EDT 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.4); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 7-18-10 Time Conducted: 05:30 AM/PM

Inspector Signature: Bob Candell

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓

Record last "Start Fill Date" for tanks D-1053 6-30 D-1054 7-2 D-1081 7-14 D-1082 7-14

Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 4.6 psi (Must be between 1 and 7 psi)

Verify the enclosure pressure is in the Green Zone ✓

Report and record below, all malfunctions and deficiencies to Shift Supervisor

COMMENTS

UNCONTROLLED COPY
Printed: Sun Jul 18 05:32:27 EDT 2010; Expires: Mon Jul 19 05:32:27 EDT 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.4); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 7/20/10 Time Conducted: 4:00 AM / PM

Inspector Signature: [signature]

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for tanks D-1053 6/30 D-1054 7/2 D-1081 7/14 D-1082 7/14	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 4 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	✓
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

UNCONTROLLED COPY
Printed: Tue Jul 20 16:55:17 EDT 2010; Expires: Wed Jul 21 16:55:17 EDT 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.4); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 7/21/10 Time Conducted: 0830 AM / PM

Inspector Signature:

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓

Record last "Start Fill Date" for tanks

D-1053	D-1054	D-1081	D-1082
4/30	7/2	7/14	7/14

Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 4 psi (Must be between 1 and 7 psi)

Verify the enclosure pressure is in the Green Zone ✓

Report and record below, all malfunctions and deficiencies to Shift Supervisor

COMMENTS

UNCONTROLLED COPY
Printed: Wed Jul 21 08:19:26 EDT 2010; Expires: Thu Jul 22 06:19:26 EDT 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.4); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 7-22-10 Time Conducted: 0745 AM / PM

Inspector Signature: [signature]

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for tanks D-1053 6-30-10 D-1054 7-2-10 D-1081 7-14-10 D-1082 7-14-10	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 5 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	✓
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

UNCONTROLLED COPY
Printed: Thu Jul 22 07:43:32 EDT 2010; Expires: Fri Jul 23 07:43:32 EDT 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.4); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 7-23-10 Time Conducted: 0630 AM / PM

Inspector Signature: [signature]

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓

Record last "Start Fill Date" for tanks D-1053 6-30-10 D-1054 7-2-10 D-1081 7-14-10 D-1082 7-22-10

Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 5 psi (Must be between 1 and 7 psi)

Verify the enclosure pressure is in the Green Zone ✓

Report and record below, all malfunctions and deficiencies to Shift Supervisor

COMMENTS

UNCONTROLLED COPY
Printed: Fri Jul 23 06:14:41 EDT 2010; Expires: Sat Jul 24 06:14:41 EDT 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.4); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 7-24-10 Time Conducted: 0600 AM / PM

Inspector Signature: [signature]

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for tanks D-1053 7-23-10 D-1054 7-2-10 D-1081 7-14-10 D-1082 7-22-10	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 4.5 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	✓
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

UNCONTROLLED COPY
Printed: Sat Jul 24 06:04:42 EDT 2010; Expires: Sun Jul 25 06:04:42 EDT 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.4); Owner Name: Boehme, John

BASF The Chemical Company JPP Procedure Wyandotte	Title: Hazardous Waste Tanks Daily Checklist	
	Function: JPP Standard Operating Procedure	
	No.: JPP-SOP-1000-605	Page: 3 of 3

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 7-25-10 Time Conducted: 0600 (AM) PM

Inspector Signature: [signature]

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for tanks D-1053 7-23-10 D-1054 7-2-10 D-1081 7-14-10 D-1082 7-22-10	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 4.5 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	✓
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

- ROOF LEAKING INTO D-1081 + D-1082 DIKE

UNCONTROLLED COPY
Printed: Sun Jul 25 05:46:07 EDT 2010; Expires: Mon Jul 26 05:46:07 EDT 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.4); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 7-26-10 Time Conducted: 05:30 AM / PM

Inspector Signature: [signature]

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for tanks D-1053 7-23 D-1054 7-2 D-1081 7-14 D-1082 7-14	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 60 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	✓
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

UNCONTROLLED COPY
Printed: Mon Jul 26 05:33:26 EDT 2010; Expires: Tue Jul 27 05:33:26 EDT 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.4); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 7-27-10 Time Conducted: 05:30 ~~AM~~/PM

Inspector Signature: Bob Cady

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for tanks D-1053 7-23 D-1054 7-2 D-1081 7-14 D-1082 7-14	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 6.5 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	✓
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

UNCONTROLLED COPY
Printed: Tue Jul 27 05:34:40 EDT 2010; Expires: Wed Jul 28 05:34:40 EDT 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.4); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 7-28-10 Time Conducted: 05:30 (AM) / PM

Inspector Signature: [signature]

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for tanks D-1053 7-23 D-1054 7-2 D-1081 7-14 D-1082 7-14	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 5.2 psi (Must be between 1 and 7 psi)	✓
Verify the enclosure pressure is in the Green Zone	✓
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

UNCONTROLLED COPY
Printed: Wed Jul 28 05:36:55 EDT 2010; Expires: Thu Jul 29 05:36:55 EDT 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.4); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 7-29-10 Time Conducted: 05:30 AM/PM

Inspector Signature: [signature]

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for tanks D-1053 7-16 D-1054 7-2 D-1081 7-14 D-1082 7-14	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 5.4 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	✓
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

UNCONTROLLED COPY
Printed: Thu Jul 29 06:03:44 EDT 2010; Expires: Fri Jul 30 06:03:44 EDT 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.4); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 7-30-10 Time Conducted: 9 AM / PM

Inspector Signature: James Simpson

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓

Record last "Start Fill Date" for tanks

D-1053	D-1054	D-1081	D-1082
7-23	7-2	7-14	7-22

Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 4.2 psi (Must be between 1 and 7 psi)

Verify the enclosure pressure is in the Green Zone ✓

Report and record below, all malfunctions and deficiencies to Shift Supervisor

COMMENTS

UNCONTROLLED COPY
Printed: Fri Jul 30 05:40:30 EDT 2010; Expires: Sat Jul 31 05:40:30 EDT 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.4); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 7-31-10 Time Conducted: 7 AM/PM

Inspector Signature: James Simpson

Inspected all tank outlet valves and fittings for leaks	☑
Inspected containment dikes for corrosion, damage, and/or leaks	☑
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	☑
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	☑
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS GMC	☑
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	☑

Record last "Start Fill Date" for tanks

D-1053	D-1054	D-1081	D-1082
7-25	7-2	7-14	7-23

Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 6 psi (Must be between 1 and 7 psi)

Verify the enclosure pressure is in the Green Zone ☑

Report and record below, all malfunctions and deficiencies to Shift Supervisor

COMMENTS

UNCONTROLLED COPY
Printed: Sat Jul 31 05:39:57 EDT 2010; Expires: Sun Aug 01 05:39:57 EDT 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.4); Owner Name: Boehme, John

BASF The Chemical Company JPP Procedure Wyandotte	Title: Hazardous Waste Tanks Daily Checklist	
	Function: JPP Standard Operating Procedure	
	No.: JPP-SOP-1000-605	Page: 3 of 3

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 4-2-10 Time Conducted: 9:00 AM/PM

Inspector Signature: James Simpson

Inspected all tank outlet valves and fittings for leaks	☑
Inspected containment dikes for corrosion, damage, and/or leaks	☑
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	☑
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	☑
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	☑
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	☑
Record last "Start Fill Date" for tanks D-1053 3-16-10 D-1054 3-16-10 D-1081 3-22-10 D-1082 3-24-10	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix .2 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	☑
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

UNCONTROLLED COPY
Printed: Fri Apr 02 21:43:25 EDT 2010; Expires: Sat Apr 03 21:43:25 EDT 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.4); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 4-3-2010 Time Conducted: 5:30 AM / PM

Inspector Signature:

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
① Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for tanks D-1053 3/16 D-1054 3/16 D-1081 3/19 D-1082 3/24	
② Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix Ø psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	✓
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

① MINOR CLUTTER IN D-1053 DIKE. APPEARS TO BE WORK IN PROGRESS.
② COLLECTOR NOT RUNNING DUE TO PLANT SHUTDOWN.

UNCONTROLLED COPY
Printed: Sat Apr 03 17:23:21 EDT 2010; Expires: Sun Apr 04 17:23:21 EDT 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.4); Owner Name: Boehme, John

BASF The Chemical Company JPP Procedure Wyandotte	Title: Hazardous Waste Tanks Daily Checklist	
	Function: JPP Standard Operating Procedure	
	No.: JPP-SOP-1000-605	Page: 3 of 3

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 4-4-10 Time Conducted: 0800 AM / PM

Inspector Signature: [signature]

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for tanks D-1053 3-16, D-1054 3-16-10, D-1081 3-19, D-1082 3-24	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 9 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	✓
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

Dust Collector @ 9 psi

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Printed: Sun Apr 04 06:59:07 EDT 2010; Expires: Mon Apr 05 06:59:07 EDT 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.4); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 4-5-10 Time Conducted: 05:30 AM / PM

Inspector Signature: Bob [illegible]

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for tanks D-1053 4-4 D-1054 4-4 D-1081 3-22 D-1082 3-24	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 8.2 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	✓
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

UNCONTROLLED COPY
Printed: Mon Apr 05 05:29:45 EDT 2010; Expires: Tue Apr 06 05:29:45 EDT 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.4); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 4-6-10 Time Conducted: 05:30 AM / PM

Inspector Signature: Bob [signature]

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓

Record last "Start Fill Date" for tanks

D-1053	D-1054	D-1081	D-1082
4-4	4-4	3-22	3-22

Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 10 psi (Must be between 1 and 7 psi)

Verify the enclosure pressure is in the Green Zone ✓

Report and record below, all malfunctions and deficiencies to Shift Supervisor

COMMENTS

UNCONTROLLED COPY
Printed: Tue Apr 06 05:33:59 EDT 2010; Expires: Wed Apr 07 05:33:59 EDT 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.4); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 4-7-10 Time Conducted: 05:50 AM / PM

Inspector Signature: [signature]

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for tanks D-1053: 4-4; D-1054: 4-4; D-1081: 3-22; D-1082: 3-22	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 10 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	✓
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

UNCONTROLLED COPY
Printed: Wed Apr 07 05:34:43 EDT 2010; Expires: Thu Apr 08 05:34:43 EDT 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.4); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 4-8-10 Time Conducted: 05:30 AM / PM

Inspector Signature: [signature]

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for tanks D-1053 4-4 D-1054 4-4 D-1081 3-22 D-1082 3-22	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 9.4 psi (Must be between 1 and 7 psi)	✓
Verify the enclosure pressure is in the Green Zone	✓
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

UNCONTROLLED COPY
Printed: Thu Apr 08 05:34:09 EDT 2010; Expires: Fri Apr 09 05:34:09 EDT 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 4·9·10 Time Conducted: 7:00 AM/ PM

Inspector Signature: [signature]

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for tanks D-1053 4/4 D-1054 4/4 D-1081 3/18 D-1082 3/24	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 3.5 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	✓
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

UNCONTROLLED COPY
Printed: Fri Apr 09 05:58:04 EDT 2010; Expires: Sat Apr 10 05:58:04 EDT 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.4); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 4/10/10 Time Conducted: 6:00 AM / PM

Inspector Signature: [signature]

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for tanks D-1053 4/4 D-1054 4/4 D-1081 3/22 D-1082 3/24	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 9 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	X

Report and record below, all malfunctions and deficiencies to Shift Supervisor

COMMENTS

UNCONTROLLED COPY
Printed: Sat Apr 10 05:55:44 EDT 2010; Expires: Sun Apr 11 05:55:44 EDT 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.4); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 4-11-10 Time Conducted: 730 AM / PM

Inspector Signature: James Simpson

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓

Record last "Start Fill Date" for tanks

D-1053	D-1054	D-1081	D-1082
4-4-10	4-4-10	3-22	3-24

Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 0 psi (Must be between 1 and 7 psi)

Verify the enclosure pressure is in the Green Zone ✓

Report and record below, all malfunctions and deficiencies to Shift Supervisor

COMMENTS

UNCONTROLLED COPY
Printed: Sun Apr 11 07:44:33 EDT 2010; Expires: Mon Apr 12 07:44:33 EDT 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.4); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 4-12-10 Time Conducted: 06:00 AM PM

Inspector Signature: [signature]

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓ ** See Note
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for tanks D-1053 4-4-10 D-1054 4-4-10 D-1081 3-19-10 D-1082 3-24-10	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 9 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	✓
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

* "CONFINED SPACE ENTER BY PERMIT ONLY" SIGN STILL MISSING from D-1054, ALSO, SOME PSV WATER IN CORNER OF D-1054 DIKE.

** PHOTOHELIC PRESSURE @ 9 psig ON DUST COLLECTOR

UNCONTROLLED COPY
Printed: Mon Apr 12 05:47:11 EDT 2010; Expires: Tue Apr 13 05:47:11 EDT 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.4); Owner Name: Boehme, John

BASF The Chemical Company JPP Procedure Wyandotte	Title: Hazardous Waste Tanks Daily Checklist	
	Function: JPP Standard Operating Procedure	
	No.: JPP-SOP-1000-605	Page: 3 of 3

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 4-13-10 Time Conducted: 0600 AM/ PM

Inspector Signature: [signature]

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for tanks D-1053 4-4-10 D-1054 4-4-10 D-1081 3-19-10 D-1082 3-24-10	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 9 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	✓
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

- PHOTOHELIC PRESSURE @ 9 psig
- RESTAB UNIT BLOCKED BY FILTERS, BUCKETS, STAIRCASE
- D-1054 STILL MISSING "CONFINED SPACE" SIGN.

UNCONTROLLED COPY
Printed: Tue Apr 13 06:01:14 EDT 2010; Expires: Wed Apr 14 06:01:14 EDT 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.4); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 4-14-10 Time Conducted: 06:00 AM / PM

Inspector Signature: [signature]

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓*
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for tanks D-1053 4-4-10, D-1054 4-4-10, D-1081 3-22-10, D-1082 3-24-10	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 9 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	✓
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

* STILL NEED "CONFINED SPACE" SIGN ON D-1054

** LABELS ON D-1053, D-1054 DAMAGED FROM HEAT & DIFFICULT TO READ.

UNCONTROLLED COPY
Printed: Wed Apr 14 05:52:06 EDT 2010; Expires: Thu Apr 15 05:52:06 EDT 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.4); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 4-15-10 Time Conducted: 06:00 AM / PM

Inspector Signature: [signature]

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓ *
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for tanks D-1053 4-4-10 D-1054 4-14-10 D-1081 3-22-10 D-1082 4-14-10	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 9 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	✓
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

* STILL NO "CONFINED SPACE" SIGN ON D-10

• D-1053, 1054 LABELS "HEAT" DAMAGED NEED REPLACEMENT

UNCONTROLLED COPY
Printed: Thu Apr 15 06:03:54 EDT 2010; Expires: Fri Apr 16 06:03:54 EDT 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.4); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 4-16-10 Time Conducted: 6:30 (AM) PM

Inspector Signature: [signature]

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for tanks D-1053 4-4-10 D-1054 4-14-10 D-1081 3-22-10 D-1082 4-14-10	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 8.5 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	✓
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

UNCONTROLLED COPY
Printed: Fri Apr 16 06:22:06 EDT 2010; Expires: Sat Apr 17 06:22:06 EDT 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.4); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 4-17-10 Time Conducted: 0630 AM / PM

Inspector Signature: [signature]

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓

Record last "Start Fill Date" for tanks D-1053 4-4-10 D-1054 4-14-10 D-1081 3-22-10 D-1082 4-14-10

Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 9 psi (Must be between 1 and 7 psi)

Verify the enclosure pressure is in the Green Zone ✓

Report and record below, all malfunctions and deficiencies to Shift Supervisor

COMMENTS

1054 needs new Haz Label. barely Readible.

UNCONTROLLED COPY
Printed: Sat Apr 17 06:04:10 EDT 2010; Expires: Sun Apr 18 06:04:10 EDT 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.4); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 4-18-10 Time Conducted: 0625 (AM) / PM

Inspector Signature: [signature]

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for tanks D-1053 4/14/10 D-1054 4/14 D-1081 3/22 D-1082 4/14	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 9 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	✓
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

UNCONTROLLED COPY
Printed: Sun Apr 18 06:20:14 EDT 2010; Expires: Mon Apr 19 06:20:14 EDT 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.4); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 4.19.10 Time Conducted: 7:00 AM / PM

Inspector Signature: [signature]

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels NEED NEW DIAMONDS + LABELS	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for tanks D-1053 4-4 D-1054 4-14 D-1081 3022 D-1082 4-14	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 8.5 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	✓
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

UNCONTROLLED COPY
Printed: Mon Apr 19 05:49:58 EDT 2010; Expires: Tue Apr 20 05:49:58 EDT 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.4); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 4-20-2010 Time Conducted: 7:30 AM / PM

Inspector Signature: James Sempson

Inspected all tank outlet valves and fittings for leaks	☑
Inspected containment dikes for corrosion, damage, and/or leaks	☑
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	☑
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels NEED NEW DIAMOND AND TK. LABEL.	☑
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	☑
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	☑
Record last "Start Fill Date" for tanks D-1053 4-4 D-1054 4-14 D-1081 3-22 D-1082 4-14	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 8.5 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	☑
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

UNCONTROLLED COPY
Printed: Tue Apr 20 05:42:52 EDT 2010; Expires: Wed Apr 21 05:42:52 EDT 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.4); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 4-21-10 Time Conducted: 700 AM / PM

Inspector Signature: James Simpson

Inspected all tank outlet valves and fittings for leaks	☑
Inspected containment dikes for corrosion, damage, and/or leaks	☑
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	☑
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	☑
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	☑
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	☑

Record last "Start Fill Date" for tanks D-1053 4-4 D-1054 4-14 D-1081 3-22-10 D-1082 4-14-10

Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 8.5 psi (Must be between 1 and 7 psi)

Verify the enclosure pressure is in the Green Zone ☑

Report and record below, all malfunctions and deficiencies to Shift Supervisor

COMMENTS

UNCONTROLLED COPY
Printed: Wed Apr 21 05:40:15 EDT 2010; Expires: Thu Apr 22 05:40:15 EDT 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.4); Owner Name: Boehme, John

BASF The Chemical Company JPP Procedure Wyandotte	Title: Hazardous Waste Tanks Daily Checklist	
	Function: JPP Standard Operating Procedure	
	No.: JPP-SOP-1000-605	Page: 3 of 3

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 4-22-10 Time Conducted: 1630 AM / PM

Inspector Signature: James Simpson

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...) WATER IN - 1054-1053 DIKE.	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels NEED NEW DIAMONDS FOR 1054,1053	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for tanks D-1053 4-1-10 D-1054 4-14 D-1081 3-19 D-1082 4-14	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 7.5 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	✓
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

UNCONTROLLED COPY
Printed: Thu Apr 22 05:44:56 EDT 2010; Expires: Fri Apr 23 05:44:56 EDT 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.4); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 4-23-10 Time Conducted: 05:30 AM/PM

Inspector Signature: Bob [illegible]

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels NEED NEW ONES	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for tanks D-1053 4-9, D-1054 4-14, D-1081 3-22, D-1082 4-14	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 10 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	✓
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

* WATER IN BOTTOM OF 1053, 1054 DIKES
PSV'S LEAKING

UNCONTROLLED COPY
Printed: Fri Apr 23 05:30:11 EDT 2010; Expires: Sat Apr 24 05:30:11 EDT 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.4); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 4-24-10 Time Conducted: 0630 AM / PM

Inspector Signature: _____

Inspected all tank outlet valves and fittings for leaks	☒
Inspected containment dikes for corrosion, damage, and/or leaks	☒
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	☒
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	☒
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	☒
Record last "Start Fill Date" for tanks D-1053 4-4 D-1054 4-14 D-1081 3-19 D-1082 4-14	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 9 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	☑
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

UNCONTROLLED COPY
Printed: Sat Apr 24 05:52:46 EDT 2010; Expires: Sun Apr 25 05:52:46 EDT 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.4); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 4-25-10 Time Conducted: 05:30 AM/PM

Inspector Signature: [signature]

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for tanks D-1053 4-4 D-1054 4-14 D-1081 3-22 D-1082 4-14	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 8.6 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	✓
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

D-1053 + 1054 DIKES FILLED WITH WATER FROM LEAKING PSV's

UNCONTROLLED COPY
Printed: Sun Apr 25 05:30:34 EDT 2010; Expires: Mon Apr 26 05:30:34 EDT 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 4-28-10 Time Conducted: 0615 AM / PM

Inspector Signature: [signature]

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓

Record last "Start Fill Date" for tanks

D-1053	D-1054	D-1081	D-1082
4/27/10	4/27/10	4/27/10	4/25/10

Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 9 psi (Must be between 1 and 7 psi)

Verify the enclosure pressure is in the Green Zone ✓

Report and record below, all malfunctions and deficiencies to Shift Supervisor

COMMENTS

UNCONTROLLED COPY
Printed: Wed Apr 28 06:13:01 EDT 2010; Expires: Thu Apr 29 06:13:01 EDT 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.4); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 4-29-10 Time Conducted: 0630 AM / PM

Inspector Signature: [signature]

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for tanks D-1053 4-27-10 D-1054 4-27-10 D-1081 4-25-10 D-1082 4-27-10	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 9 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	✓
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

Need New Labels for 1053 & 1054 waste tanks

UNCONTROLLED COPY
Printed: Thu Apr 29 06:33:18 EDT 2010; Expires: Fri Apr 30 06:33:18 EDT 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 4-30-10 Time Conducted: 0600 AM/PM

Inspector Signature: [signature]

- Inspected all tank outlet valves and fittings for leaks ☑
- Inspected containment dikes for corrosion, damage, and/or leaks ☑
- Inspected all containment areas for cleanliness (I.E. trash, water, etc...) ☑
- Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels ☑
- Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS ☑
- Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days ☑
- Record last "Start Fill Date" for tanks D-1053 4-27 D-1054 4-27 D-1081 4-25 D-1082 4-27
- Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 10 psi (Must be between 1 and 7 psi)
- Verify the enclosure pressure is in the Green Zone ☑
- Report and record below, all malfunctions and deficiencies to Shift Supervisor

COMMENTS

UNCONTROLLED COPY
Printed: Fri Apr 30 11:37:16 EDT 2010; Expires: Sat May 01 11:37:16 EDT 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.4); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 3-1-10 Time Conducted: 0620 AM / PM

Inspector Signature: [signature]

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for tanks D-1053 2-20-10 D-1054 2-10-10 D-1081 2-16-10 D-1082 2-23-10	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 9.5 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	✓
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

UNCONTROLLED COPY
Printed: Mon Mar 01 06:04:47 EST 2010; Expires: Tue Mar 02 06:04:47 EST 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.4); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 3-2-10 Time Conducted: 0640 AM PM

Inspector Signature: _____

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for tanks D-1053 2-20-10 D-1054 2-10-10 D-1081 2-18-10 D-1082 2-23-10	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 9 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	✓
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

UNCONTROLLED COPY
Printed: Tue Mar 02 05:50:47 EST 2010; Expires: Wed Mar 03 05:50:47 EST 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.4); Owner Name: Boehme, John

BASF The Chemical Company JPP Procedure Wyandotte	Title: Hazardous Waste Tanks Daily Checklist	
	Function: JPP Standard Operating Procedure	
	No.: JPP-SOP-1000-605	Page: 3 of 3

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 3/3/10 Time Conducted: 6:30 AM / PM

Inspector Signature: [illegible]

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	*
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for tanks D-1053 2/20/10, D-1054 2/10/10, D-1081 2/18/10, D-1082 2/23/10	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 4.6 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	✓
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

* LIQUID IN D-1053 DYKE.... PIGMAT WAS SATURATED... PICKED UP AND NEW MATERIAL PLACED DOWN IN HOPE OF FINDING WHERE LIQUID IS COMING FROM

UNCONTROLLED COPY
Printed: Wed Mar 03 05:59:30 EST 2010; Expires: Thu Mar 04 05:59:30 EST 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.4); Owner Name: Boehme, John

BASF The Chemical Company JPP Procedure Wyandotte	Title: Hazardous Waste Tanks Daily Checklist	
	Function: JPP Standard Operating Procedure	
	No.: JPP-SOP-1000-605	Page: 3 of 3

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 3/4/10 Time Conducted: 6:00 AM/ PM

Inspector Signature: [signature]

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	*
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for tanks D-1053 2/20, D-1054 2/10, D-1081 2/18, D-1082 2/23	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 9 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	✓
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

* LIQUID IN D-1053 DIKE. SOURCE MAY BE LEAKING CHECK VALVE ON TOP OF D-1053 CARBITOL LINE

UNCONTROLLED COPY
Printed: Thu Mar 04 05:42:10 EST 2010; Expires: Fri Mar 05 05:42:10 EST 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.4); Owner Name: Boehme, John

BASF The Chemical Company JPP Procedure Wyandotte	Title: Hazardous Waste Tanks Daily Checklist	
	Function: JPP Standard Operating Procedure	
	No.: JPP-SOP-1000-605	Page: 3 of 3

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 03-05-10 Time Conducted: 0600 AM/PM

Inspector Signature: [signature]

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for tanks D-1053 2-20-10 D-1054 2-10-10 D-1081 2-18 D-1082 2-23	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 9 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	✓
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

Photohelic on Dust collector is @ 9 psi.

UNCONTROLLED COPY
Printed: Fri Mar 05 06:04:30 EST 2010; Expires: Sat Mar 06 06:04:30 EST 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.4); Owner Name: Boehme, John

BASF The Chemical Company JPP Procedure Wyandotte	Title: Hazardous Waste Tanks Daily Checklist	
	Function: JPP Standard Operating Procedure	
	No.: JPP-SOP-1000-605	Page: 3 of 3

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 3-6-10 Time Conducted: 0600 AM / PM

Inspector Signature: [signature]

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	* SEE NOTE
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for tanks D-1053 2-20-10, D-1054 2-10-10, D-1081 2-18-10, D-1082 2-23-10	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 9 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	✓
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

PHOTOHELIC PRESSURE STILL TOO HIGH

*WEIGHTS CHANGED ON 1054 & 1081 BUT DIDN'T ACTIVATE

UNCONTROLLED COPY
Printed: Sat Mar 06 05:48:33 EST 2010; Expires: Sun Mar 07 05:48:33 EST 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.4); Owner Name: Boehme, John

BASF The Chemical Company JPP Procedure Wyandotte	Title: Hazardous Waste Tanks Daily Checklist	
	Function: JPP Standard Operating Procedure	
	No.: JPP-SOP-1000-605	Page: 3 of 3

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 3-7-10 Time Conducted: 0600 AM / PM

Inspector Signature: [signature]

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	OK See Note
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for tanks D-1053 2-20-10, D-1054 2-10-10, D-1081 2-16-10, D-1082 2-23-10	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 9 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	✓
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

- D-1054 MISSING "CONFINED SPACE SIGN"
- PHOTOHELIC @ 9 psig

UNCONTROLLED COPY
Printed: Sun Mar 07 05:55:22 EST 2010; Expires: Mon Mar 08 05:55:22 EST 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.4); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 3-8-10 Time Conducted: 05:30 AM / PM

Inspector Signature: [signature]

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓

Record last "Start Fill Date" for tanks D-1053 2-20 D-1054 2-10 D-1081 2-16 D-1082 2-23

Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 10 psi (Must be between 1 and 7 psi)

Verify the enclosure pressure is in the Green Zone ✓

Report and record below, all malfunctions and deficiencies to Shift Supervisor

COMMENTS

FILTERS ON DUST COLLECTOR NEED TO BE CHANGED

UNCONTROLLED COPY
Printed: Mon Mar 08 05:35:32 EST 2010; Expires: Tue Mar 09 05:35:32 EST 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.4); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 3-9-10 Time Conducted: 05:30 AM / PM

Inspector Signature: Bob [signature]

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓

Record last "Start Fill Date" for tanks

D-1053	D-1054	D-1081	D-1082
2-20	2-10	2-14	2-23

Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 10 psi (Must be between 1 and 7 psi)

Verify the enclosure pressure is in the Green Zone ✓

Report and record below, all malfunctions and deficiencies to Shift Supervisor

COMMENTS

UNCONTROLLED COPY
Printed: Tue Mar 09 05:32:19 EST 2010; Expires: Wed Mar 10 05:32:19 EST 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.4); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 3-10-10 Time Conducted: 05:30 AM/PM

Inspector Signature: Bob Cole

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for tanks D-1053 2-20 D-1054 2-10 D-1081 2-16 D-1082 2-23	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 5.7 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	✓
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

UNCONTROLLED COPY
Printed: Wed Mar 10 05:31:53 EST 2010; Expires: Thu Mar 11 05:31:53 EST 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.4); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 3-12-10 Time Conducted: 05:30 (AM)/ PM

Inspector Signature: Bob Endaly

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for tanks D-1053 2-20 D-1054 2-10 D-1081 2-16 D-1082 2-23	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 6.8 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	✓
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

UNCONTROLLED COPY
Printed: Thu Mar 11 05:34:13 EST 2010; Expires: Fri Mar 12 05:34:13 EST 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.4); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: ~~3/10~~ 3/12/10 Time Conducted: 7:00 AM / PM

Inspector Signature:

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for tanks D-1053 2/20/10 D-1054 2/10/10 D-1081 2/18/10 D-1082 2/23/10	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 6.5 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	✓
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

DUST COLLECTOR FILTERS WILL NEED TO BE CHANGED SOON.

UNCONTROLLED COPY
Printed: Fri Mar 12 05:43:03 EST 2010; Expires: Sat Mar 13 05:43:03 EST 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.4); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 3/13/10 Time Conducted: 6:30 AM / PM

Inspector Signature: [signature]

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for tanks D-1053 2/20 D-1054 2/10 D-1081 2/18 D-1082 2/23	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 8 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	✓
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

UNCONTROLLED COPY
Printed: Sat Mar 13 05:43:04 EST 2010; Expires: Sun Mar 14 06:43:04 EDT 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.4); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 3/14/10 Time Conducted: 1:30 AM / PM

Inspector Signature: [illegible]

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for tanks D-1053 2/20 D-1054 2/10 D-1081 2/18 D-1082 2/23	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 8 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	✓
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

UNCONTROLLED COPY
Printed: Sun Mar 14 13:17:34 EDT 2010; Expires: Mon Mar 15 13:17:34 EDT 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.4); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 3-15-10 Time Conducted: 0600 AM / PM

Inspector Signature: [signature]

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for tanks D-1053 2-20-10 D-1054 2-10-10 D-1081 2-18 D-1082 2-23	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 7.8 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	✓
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

Dust collector over 7psi.

UNCONTROLLED COPY
Printed: Mon Mar 15 05:48:52 EDT 2010; Expires: Tue Mar 16 05:48:52 EDT 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.4); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 3-16-10 Time Conducted: 0700 AM / PM

Inspector Signature: [signature]

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓

Record last "Start Fill Date" for tanks

D-1053	D-1054	D-1081	D-1082
2-20-10	2-10-10	2-18-10	2-23-10

Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 10 psi (Must be between 1 and 7 psi)

Verify the enclosure pressure is in the Green Zone ☒

Report and record below, all malfunctions and deficiencies to Shift Supervisor

COMMENTS

Dust collector over on PSI.

UNCONTROLLED COPY
Printed: Tue Mar 16 05:45:53 EDT 2010; Expires: Wed Mar 17 05:45:53 EDT 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.4); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 3-17-10 Time Conducted: 0600 AM / PM

Inspector Signature: [signature]

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for tanks D-1053 2-20-10 D-1054 3-16-10 D-1081 2-18-10 D-1082 2-23-10	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 7.5 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	✓
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

UNCONTROLLED COPY
Printed: Wed Mar 17 05:46:18 EDT 2010; Expires: Thu Mar 18 05:46:18 EDT 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.4); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 3/18/10 Time Conducted: 0700 AM / PM

Inspector Signature: [signature]

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓

Record last "Start Fill Date" for tanks

D-1053	D-1054	D-1081	D-1082
3/16/10	3/16/10	2/18	2/23

Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 7 psi (Must be between 1 and 7 psi)

Verify the enclosure pressure is in the Green Zone ✓

Report and record below, all malfunctions and deficiencies to Shift Supervisor

COMMENTS

UNCONTROLLED COPY
Printed: Thu Mar 18 05:50:14 EDT 2010; Expires: Fri Mar 19 05:50:14 EDT 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.4); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 3-19-10 Time Conducted: 0730 AM / PM

Inspector Signature: [signature]

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for tanks D-1053 3-16-10 D-1054 3-16-10 D-1081 2-18-10 D-1082 2-23	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix MAX psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	✓
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

Dust Collector Photo helix is maxed out.

UNCONTROLLED COPY
Printed: Fri Mar 19 06:41:18 EDT 2010; Expires: Sat Mar 20 06:41:18 EDT 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.4); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 3/20/10 Time Conducted: 1600 AM / PM

Inspector Signature: James J. Brauler

Inspected all tank outlet valves and fittings for leaks	☑
Inspected containment dikes for corrosion, damage, and/or leaks	☑
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	☑
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	☑
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	☑
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	☑
Record last "Start Fill Date" for tanks D-1053 3/16/10 D-1054 3/16/10 D-1081 3/18/10 D-1082 3/16/10	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 8 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	☑
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

UNCONTROLLED COPY
Printed: Sat Mar 20 15:55:58 EDT 2010; Expires: Sun Mar 21 15:55:58 EDT 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.4); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 3/21/10 Time Conducted: 0800 AM / PM

Inspector Signature: [signature]

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for tanks D-1053 3/16/10, D-1054 3/16/10, D-1081 3/16/10, D-1082 3/16/10	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 8 psi (Must be between 1 and 7 psi)	✓
Verify the enclosure pressure is in the Green Zone	✓
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

UNCONTROLLED COPY
Printed: Sun Mar 21 08:54:54 EDT 2010; Expires: Mon Mar 22 08:54:54 EDT 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.4); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 3-22-10 Time Conducted: 7:30 AM / PM

Inspector Signature: James Simpson

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓ JM
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓

Record last "Start Fill Date" for tanks

D-1053	D-1054	D-1081	D-1082
3-16-10	3-16-10	3-19-10	3-16-10

Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 8 psi (Must be between 1 and 7 psi)

Verify the enclosure pressure is in the Green Zone	✓

Report and record below, all malfunctions and deficiencies to Shift Supervisor

COMMENTS

UNCONTROLLED COPY
Printed: Mon Mar 22 05:42:36 EDT 2010; Expires: Tue Mar 23 05:42:36 EDT 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.4); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 3/23/10 Time Conducted: 6:30 AM / PM

Inspector Signature: B. Harill

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for tanks D-1053 3/16 D-1054 3/16 D-1081 3/22 D-1082 3/22	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 9 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	✓
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

UNCONTROLLED COPY
Printed: Tue Mar 23 06:06:51 EDT 2010; Expires: Wed Mar 24 06:06:51 EDT 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.4); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 3/24/10 Time Conducted: 7 AM / PM

Inspector Signature: B J A Rill

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for tanks D-1053 3/16 D-1054 3/16 D-1081 3/22 D-1082 3/22	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 9 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	✓
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

UNCONTROLLED COPY
Printed: Wed Mar 24 05:43:34 EDT 2010; Expires: Thu Mar 25 05:43:34 EDT 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.4); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 3/25/10 Time Conducted: 6:00 AM / PM

Inspector Signature: [signature]

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for tanks D-1053 3/16, D-1054 3/16, D-1081 3/22, D-1082 3/22	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 3 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	✓
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

UNCONTROLLED COPY
Printed: Thu Mar 25 06:08:42 EDT 2010; Expires: Fri Mar 26 06:08:42 EDT 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 3-26-10 Time Conducted: 05:30 AM PM

Inspector Signature: Bob Sales

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓

Record last "Start Fill Date" for tanks

D-1053	D-1054	D-1081	D-1082
3-16	3-16	3-22	3-24

Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 8.5 psi (Must be between 1 and 7 psi)

Verify the enclosure pressure is in the Green Zone ✓

Report and record below, all malfunctions and deficiencies to Shift Supervisor

COMMENTS

UNCONTROLLED COPY
Printed: Fri Mar 26 05:28:15 EDT 2010; Expires: Sat Mar 27 05:28:15 EDT 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.4); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 3-27-10 Time Conducted: 05:30 AM/ PM

Inspector Signature: [signature]

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for tanks D-1053 3-16, D-1054 3-16, D-1081 3-22, D-1082 3-24	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 9.2 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	✓
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

UNCONTROLLED COPY
Printed: Sat Mar 27 05:40:25 EDT 2010; Expires: Sun Mar 28 05:40:25 EDT 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.4); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 3-28-10 Time Conducted: 05:30 AM PM

Inspector Signature: Bob [illegible]

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓

Record last "Start Fill Date" for tanks

D-1053	D-1054	D-1081	D-1082
3-16	3-16	3-22	3-24

Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 9-1 psi (Must be between 1 and 7 psi)

Verify the enclosure pressure is in the Green Zone ✓

Report and record below, all malfunctions and deficiencies to Shift Supervisor

COMMENTS

UNCONTROLLED COPY
Printed: Sun Mar 28 15:58:09 EDT 2010; Expires: Mon Mar 29 15:58:09 EDT 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.4); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 3/29/2010 Time Conducted: 0630 (AM)/ PM

Inspector Signature: Keith Rudzik

Inspected all tank outlet valves and fittings for leaks	☑
Inspected containment dikes for corrosion, damage, and/or leaks	☑
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	☑
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	☑
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	☑
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	☑
Record last "Start Fill Date" for tanks D-1053 3-16-10 D-1054 3-16-10 D-1081 3-22-10 D-1082 3-22-10	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 10 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	☑
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

UNCONTROLLED COPY
Printed: Mon Mar 29 06:10:39 EDT 2010; Expires: Tue Mar 30 06:10:39 EDT 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.4); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 3/30/10 Time Conducted: 0930 AM / PM

Inspector Signature: _____

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓

Record last "Start Fill Date" for tanks

D-1053	D-1054	D-1081	D-1082
3/16/10	3/16/10	3/18/10	3/24/10

Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 8 psi (Must be between 1 and 7 psi)

Verify the enclosure pressure is in the Green Zone ✓

Report and record below, all malfunctions and deficiencies to Shift Supervisor

COMMENTS

UNCONTROLLED COPY
Printed: Tue Mar 30 09:36:29 EDT 2010; Expires: Wed Mar 31 09:36:29 EDT 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.4); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 3-30-10 Time Conducted: 1 AM / PM

Inspector Signature: James Simpson

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for tanks D-1053: 3-16; D-1054: 3-16; D-1081: 3-19; D-1082: 3-24	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 10 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	✓
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

UNCONTROLLED COPY
Printed: Tue Mar 30 05:51:55 EDT 2010; Expires: Wed Mar 31 05:51:55 EDT 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.4); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 1/6/10 Time Conducted: 0600 AM / PM

Inspector Signature: [signature]

Inspected all tank outlet valves and fittings for leaks	☑
Inspected containment dikes for corrosion, damage, and/or leaks	☑
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	☑
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	☑
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	☑
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	☑

Record last "Start Fill Date" for tanks D-1053 D-1054 D-1081 D-1082

1053 & 1054 Are down for maintenance. Empty Empty 12/24/09 11/24/09

Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 6 psi (Must be between 1 and 7 psi)

Verify the enclosure pressure is in the Green Zone [signature] ☑

Report and record below, all malfunctions and deficiencies to Shift Supervisor

COMMENTS

D-1081 weight - 15,331 lbs

D-1082 weight - 14,344 lbs.

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Printed: Wed Jan 06 05:55:08 EST 2010; Expires: Thu Jan 07 05:55:08 EST 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.4); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 01/07/10 Time Conducted: 9:30 AM / PM

Inspector Signature: Keith Rudzoff

Inspected all tank outlet valves and fittings for leaks	☑
Inspected containment dikes for corrosion, damage, and/or leaks	☑
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	☑
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	☑
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	☑
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	☑
Record last "Start Fill Date" for tanks D-1053 12/8/09, D-1054 11/24/09, D-1081 12/23/09, D-1082 11/21/09	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 6.2 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	☑
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

UNCONTROLLED COPY
Printed: Thu Jan 07 09:18:52 EST 2010; Expires: Fri Jan 08 09:18:52 EST 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 1-8-10 Time Conducted: 7:30 AM / PM

Inspector Signature: Jeff Degg

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓

Record last "Start Fill Date" for tanks

D-1053	D-1054	D-1081	D-1082
MT	MT	12/23/09	11/21/09

Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 6 psi (Must be between 1 and 7 psi)

Verify the enclosure pressure is in the Green Zone ✓

Report and record below, all malfunctions and deficiencies to Shift Supervisor

COMMENTS

UNCONTROLLED COPY
Printed: Fri Jan 08 05:54:46 EST 2010; Expires: Sat Jan 09 05:54:46 EST 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.4); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 1/9/10 Time Conducted: 8:00 AM/ PM

Inspector Signature: Jeff Wogg

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓

Record last "Start Fill Date" for tanks

D-1053	D-1054	D-1081	D-1082
MT	MT	12/23/09	11/21/09

Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 6 psi (Must be between 1 and 7 psi)

Verify the enclosure pressure is in the Green Zone ✓

Report and record below, all malfunctions and deficiencies to Shift Supervisor

COMMENTS

UNCONTROLLED COPY
Printed: Sat Jan 09 06:20:28 EST 2010; Expires: Sun Jan 10 06:20:28 EST 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.4); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 1-10-10 Time Conducted: 0600 AM / PM

Inspector Signature: [signature]

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓

Record last "Start Fill Date" for tanks

D-1053	D-1054	D-1081	D-1082
12-3	11-24	12-23	11-21

Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 6.5 psi (Must be between 1 and 7 psi)

Verify the enclosure pressure is in the Green Zone ✓

Report and record below, all malfunctions and deficiencies to Shift Supervisor

COMMENTS

UNCONTROLLED COPY
Printed: Sun Jan 10 06:02:07 EST 2010; Expires: Mon Jan 11 06:02:07 EST 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.4); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 1-11-10 Time Conducted: 08:00 AM PM

Inspector Signature: BL [illegible]

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for tanks D-1053 12-3 D-1054 11-24 D-1081 12-23 D-1082 11-21	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 6.2 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	✓
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

UNCONTROLLED COPY
Printed: Mon Jan 11 12:18:49 EST 2010; Expires: Tue Jan 12 12:18:49 EST 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.4); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 1-12-10 Time Conducted: 05:30 AM / PM

Inspector Signature: BoB Cardell

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓

Record last "Start Fill Date" for tanks

D-1053	D-1054	D-1081	D-1082
12-3	11-24	12-23	11-21

Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 6.4 psi (Must be between 1 and 7 psi)

Verify the enclosure pressure is in the Green Zone ✓

Report and record below, all malfunctions and deficiencies to Shift Supervisor

COMMENTS

UNCONTROLLED COPY
Printed: Tue Jan 12 05:33:48 EST 2010; Expires: Wed Jan 13 05:33:48 EST 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.4); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 1-13-10 Time Conducted: 05:30 AM/ PM

Inspector Signature: Bob [illegible]

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓

Record last "Start Fill Date" for tanks

D-1053	D-1054	D-1081	D-1082
12-3	11-24	12-23	11-21

Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 6.6 psi (Must be between 1 and 7 psi)

Verify the enclosure pressure is in the Green Zone ✓

Report and record below, all malfunctions and deficiencies to Shift Supervisor

COMMENTS

UNCONTROLLED COPY
Printed: Wed Jan 13 05:31:52 EST 2010; Expires: Thu Jan 14 05:31:52 EST 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.4); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 1-14-2010 Time Conducted: 0710 AM/PM

Inspector Signature: [signature]

Inspected all tank outlet valves and fittings for leaks	☑
Inspected containment dikes for corrosion, damage, and/or leaks	☑
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	☑
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	☐
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	☐ LOCKED OUT
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	☑
Record last "Start Fill Date" for tanks D-1053 ____ D-1054 ____ D-1081 ____ D-1082 ____	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 6.4 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	☑
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

UNCONTROLLED COPY
Printed: Thu Jan 14 06:46:23 EST 2010; Expires: Fri Jan 15 06:46:23 EST 2010;
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.4); Owner K. Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 1/15/10 Time Conducted: 6:30 AM/ PM

Inspector Signature: [signature]

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for tanks D-1053 12/3 D-1054 11/24 D-1081 12/23 D-1082 11/21	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 6.3 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	✓
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

UNCONTROLLED COPY
Printed: Fri Jan 15 06:05:16 EST 2010; Expires: Sat Jan 16 08:05:16 EST 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.4); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 1/16/10 Time Conducted: 6:30 AM / PM

Inspector Signature: [signature]

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for tanks D-1053 12/3 D-1054 11/24 D-1081 12/23 D-1082 11/24	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 1.8 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	✓
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

UNCONTROLLED COPY
Printed: Sat Jan 16 05:53:06 EST 2010; Expires: Sun Jan 17 05:53:06 EST 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.4); Owner Name: Boehme, John

BASF The Chemical Company JPP Procedure Wyandotte	Title: Hazardous Waste Tanks Daily Checklist	
	Function: JPP Standard Operating Procedure	
	No.: JPP-SOP-1000-605	Page: 3 of 3

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 1-18-10 Time Conducted: 06 30 AM / PM

Inspector Signature: [signature]

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for tanks D-1053 12-3-09 D-1054 11-24-09 D-1081 12-23-09 D-1082 11-21-09	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 6.9 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	✓
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

Photohelic @ 6.9 psi.

UNCONTROLLED COPY
Printed: Mon Jan 18 06:14:54 EST 2010; Expires: Tue Jan 19 06:14:54 EST 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.4); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 1-19-2010 Time Conducted: 12 AM / PM

Inspector Signature: J Simpson

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for tanks D-1053 12-3-09 D-1054 12-24-9 D-1081 12-23-09 D-1082 10-24-08	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 6 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	✓
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

UNCONTROLLED COPY
Printed: Sun Jan 17 05:51:18 EST 2010; Expires: Mon Jan 18 05:51:18 EST 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.4); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 1-19-10 Time Conducted: 0630 AM / PM

Inspector Signature: [signature]

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for tanks D-1053 12-3 D-1054 11-24 D-1081 12-23 D-1082 11-21	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 7.0 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	✓
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

Photohelix @ 7.0 psi

UNCONTROLLED COPY
Printed: Tue Jan 19 06:24:53 EST 2010; Expires: Wed Jan 20 06:24:53 EST 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.4); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 1-20-2010 Time Conducted: 6:05 AM / PM

Inspector Signature: Daniel Schuelke

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for tanks D-1053 12-3-09 D-1054 11-24-09 D-1081 12-23-09 D-1082 11-21-09	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 7.1 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	✓
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

UNCONTROLLED COPY
Printed: Wed Jan 20 06:08:06 EST 2010; Expires: Thu Jan 21 06:08:06 EST 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.4); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 1-21-2010 Time Conducted: 6:10 AM / PM

Inspector Signature: Daniel Schulz

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for tanks D-1053 12-3-09 D-1054 11-24-09 D-1081 12-23-09 D-1082 11-21-09	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 7.1 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	✓
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

UNCONTROLLED COPY
Printed: Thu Jan 21 05:53:26 EST 2010; Expires: Fri Jan 22 05:53:26 EST 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.4); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 1/22/10 Time Conducted: 1700 AM / PM

Inspector Signature: Jeff Diggs

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓

Record last "Start Fill Date" for tanks

D-1053	D-1054	D-1081	D-1082
mt	mt	12/23/09	11/21/09

Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 7 psi (Must be between 1 and 7 psi)

Verify the enclosure pressure is in the Green Zone ✓

Report and record below, all malfunctions and deficiencies to Shift Supervisor

COMMENTS

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Printed: Fri Jan 22 19:08:12 EST 2010; Expires: Sat Jan 23 19:08:12 EST 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.4); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 1·23·10 Time Conducted 0500 AM PM

Inspector Signature: George Kij

- Inspected all tank outlet valves and fittings for leaks ☑
- Inspected containment dikes for corrosion, damage, and/or leaks ☑
- Inspected all containment areas for cleanliness (I.E. trash, water, etc...) D-1053 / D-1054 tanks are open and being repaired ☑
- Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels ☑
- Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS ☑
- Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days ☑
- Record last "Start Fill Date" for tanks D-1053 12·3·09 D-1054 Empty D-1081 12·23·09 D-1082 11·21·09
- Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 7 psi (Must be between 1 and 7 psi)
- Verify the enclosure pressure is in the Green Zone ☑
- Report and record below, all malfunctions and deficiencies to Shift Supervisor

COMMENTS

UNCONTROLLED COPY
Printed: Sat Jan 23 05:52:34 EST 2010; Expires: Sun Jan 24 05:52:34 EST 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.4); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 1/24/10 Time Conducted: 1720 AM / PM

Inspector Signature: [signature]

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓

Record last "Start Fill Date" for tanks

D-1053	D-1054	D-1081	D-1082
Empty	Empty	12/23/09	11/21/09

Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 7 psi (Must be between 1 and 7 psi)

Verify the enclosure pressure is in the Green Zone	✓

Report and record below, all malfunctions and deficiencies to Shift Supervisor

COMMENTS

UNCONTROLLED COPY
Printed: Sun Jan 24 17:19:37 EST 2010; Expires: Mon Jan 25 17:19:37 EST 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.4); Owner Name: Boehme, John

BASF The Chemical Company JPP Procedure Wyandotte	Title: Hazardous Waste Tanks Daily Checklist	
	Function: JPP Standard Operating Procedure	
	No.: JPP-SOP-1000-605	Page: 3 of 3

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 1/25/10 Time Conducted: 8:00 AM / PM

Inspector Signature: RRIL

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for tanks D-1053 12/3 D-1054 ____ D-1081 12/23 D-1082 11/21	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 1 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	✓
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

UNCONTROLLED COPY
Printed: Mon Jan 25 06:56:59 EST 2010; Expires: Tue Jan 26 06:56:59 EST 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.4); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 1-26-2010 Time Conducted: 6:11 AM/PM

Inspector Signature: James Simpson

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓

Record last "Start Fill Date" for tanks D-1053 12-3-09 D-1054 12-3-09 D-1081 12-23-09 D-1082 11-21-09

Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 7 psi (Must be between 1 and 7 psi)

Verify the enclosure pressure is in the Green Zone	✓

Report and record below, all malfunctions and deficiencies to Shift Supervisor

COMMENTS

UNCONTROLLED COPY
Printed: Tue Jan 26 05:46:45 EST 2010; Expires: Wed Jan 27 05:46:45 EST 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.4); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 1-22-2010 Time Conducted: 6:20 AM / PM

Inspector Signature: James Simpson

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for tanks D-1053 12-3-09 D-1054 12-3-09 D-1081 12-23-09 D-1082 11-21-09	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 7 psi (Must be between 1 and 7 psi)	
Verify the enclosure pressure is in the Green Zone	✓
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

UNCONTROLLED COPY
Printed: Wed Jan 27 06:16:20 EST 2010; Expires: Thu Jan 28 06:16:20 EST 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.4); Owner Name: Boehme, John

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Appendix A

Hazardous Waste Tank CHECKLIST

Date: 1-28-2010 Time Conducted: 6:30 AM / PM

Inspector Signature: James Simpson

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓

Record last "Start Fill Date" for tanks

	D-1053	D-1054	D-1081	D-1082
(2009)	12-3	12-3	12-23	11-21

Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 7 psi (Must be between 1 and 7 psi)

Verify the enclosure pressure is in the Green Zone ✓

Report and record below, all malfunctions and deficiencies to Shift Supervisor

COMMENTS

UNCONTROLLED COPY
Printed: Thu Jan 28 06:09:32 EST 2010; Expires: Fri Jan 29 06:09:32 EST 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.4); Owner Name: Boehme, John

BASF The Chemical Company JPP Procedure Wyandotte	Title: Hazardous Waste Tanks Daily Checklist	
	Function: JPP Standard Operating Procedure	
	No.: JPP-SOP-1000-605	Page: 3 of 3

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 1-29-10 Time Conducted: 05:30 AM / PM

Inspector Signature: Bob [signature]

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓

Record last "Start Fill Date" for tanks

D-1053	D-1054	D-1081	D-1082
12-3	11-24	12-23	11-21

Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 6.8 psi (Must be between 1 and 7 psi)

Verify the enclosure pressure is in the Green Zone ✓

Report and record below, all malfunctions and deficiencies to Shift Supervisor

COMMENTS

ON GOING WORK ON D-1053 + D-1054 PARTS ON DYKE WALLS,

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Printed: Fri Jan 29 05:28:14 EST 2010; Expires: Sat Jan 30 05:28:14 EST 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.4); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 1-30-10 Time Conducted: 05:30 AM PM

Inspector Signature: Bob Cole

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓
Record last "Start Fill Date" for tanks D-1053 12-3 D-1054 11-24 D-1081 12-23 D-1082 11-21	
Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 6.8 psi (Must be between 1 and 7 psi)	✓
Verify the enclosure pressure is in the Green Zone	✓
Report and record below, all malfunctions and deficiencies to Shift Supervisor	

COMMENTS

UNCONTROLLED COPY
Printed: Sat Jan 30 05:25:48 EST 2010; Expires: Sun Jan 31 05:25:48 EST 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.4); Owner Name: Boehme, John

Appendix A

Hazardous Waste Tank CHECKLIST

Date: 1-31-10 Time Conducted: 05:30 AM / PM

Inspector Signature: Bob [signature]

Inspected all tank outlet valves and fittings for leaks	✓
Inspected containment dikes for corrosion, damage, and/or leaks	✓
Inspected all containment areas for cleanliness (I.E. trash, water, etc...)	✓
Inspected D-1053, D-1054, D-1081, & D-1082 "Hazardous Waste" labels	✓
Tested high level alarms and interlocks on tanks D-1053, D-1054, D-1081, & D-1082 using the DCS	✓
Verified tanks D-1053, D-1054, D-1081, & D-1082 have been completely emptied in the last 90 days	✓

Record last "Start Fill Date" for tanks

D-1053	D-1054	D-1081	D-1082
12-3	11-24	12 21	11-21

Check Dust Collector for room in the bag hanging and verify record figure on the Photohelix 7 psi (Must be between 1 and 7 psi)

Verify the enclosure pressure is in the Green Zone ✓

Report and record below, all malfunctions and deficiencies to Shift Supervisor

COMMENTS

UNCONTROLLED COPY
Printed: Sun Jan 31 05:25:54 EST 2010; Expires: Mon Feb 01 05:25:54 EST 2010
File Name: SOP-1000-605 Hazardous Waste Tanks Checklist.doc(1.4); Owner Name: Boehme, John

polyol pond part of MPDES outfall # 001 discharge to River Detroit

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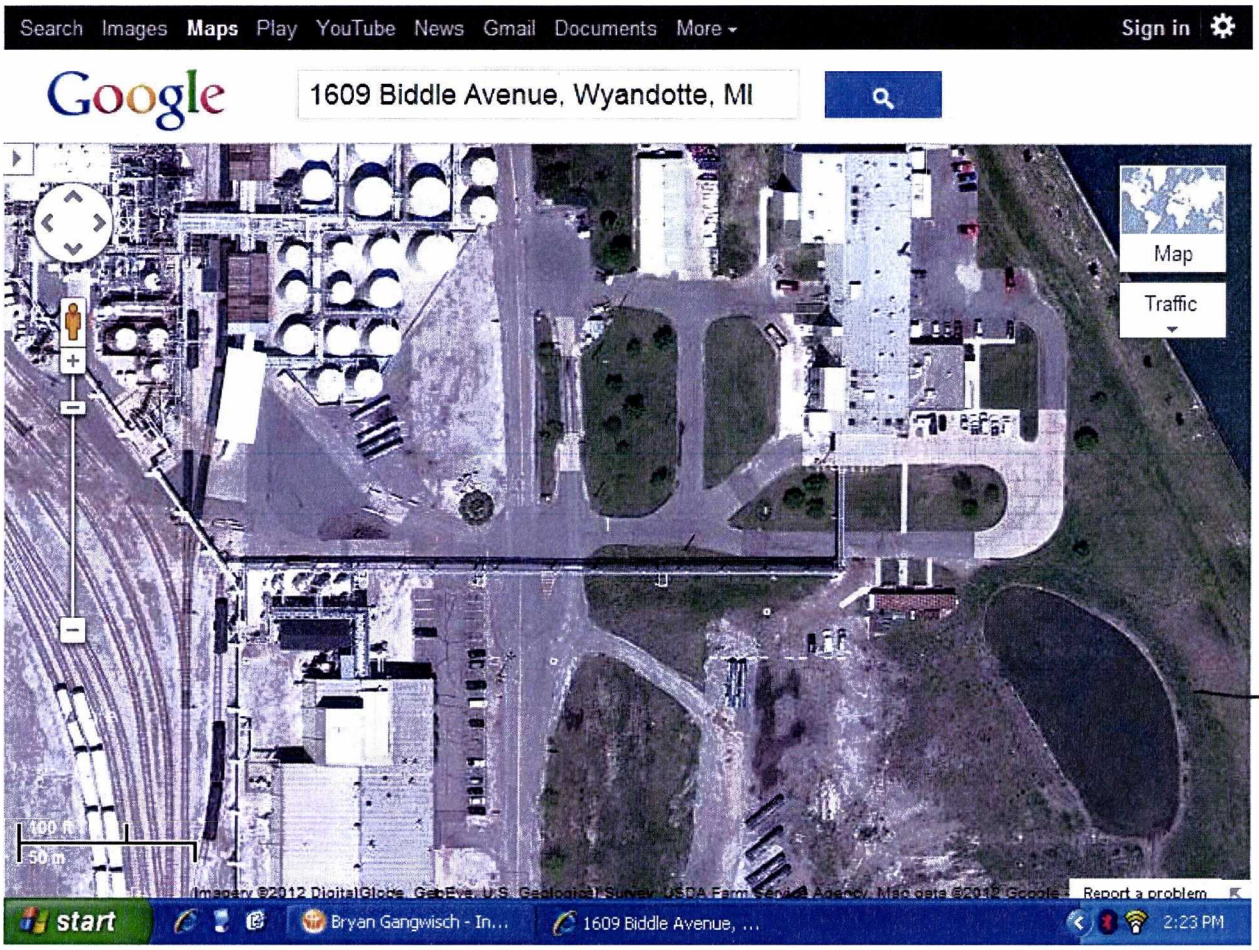
polycl plant



stormwater
retention
no discharge
capability

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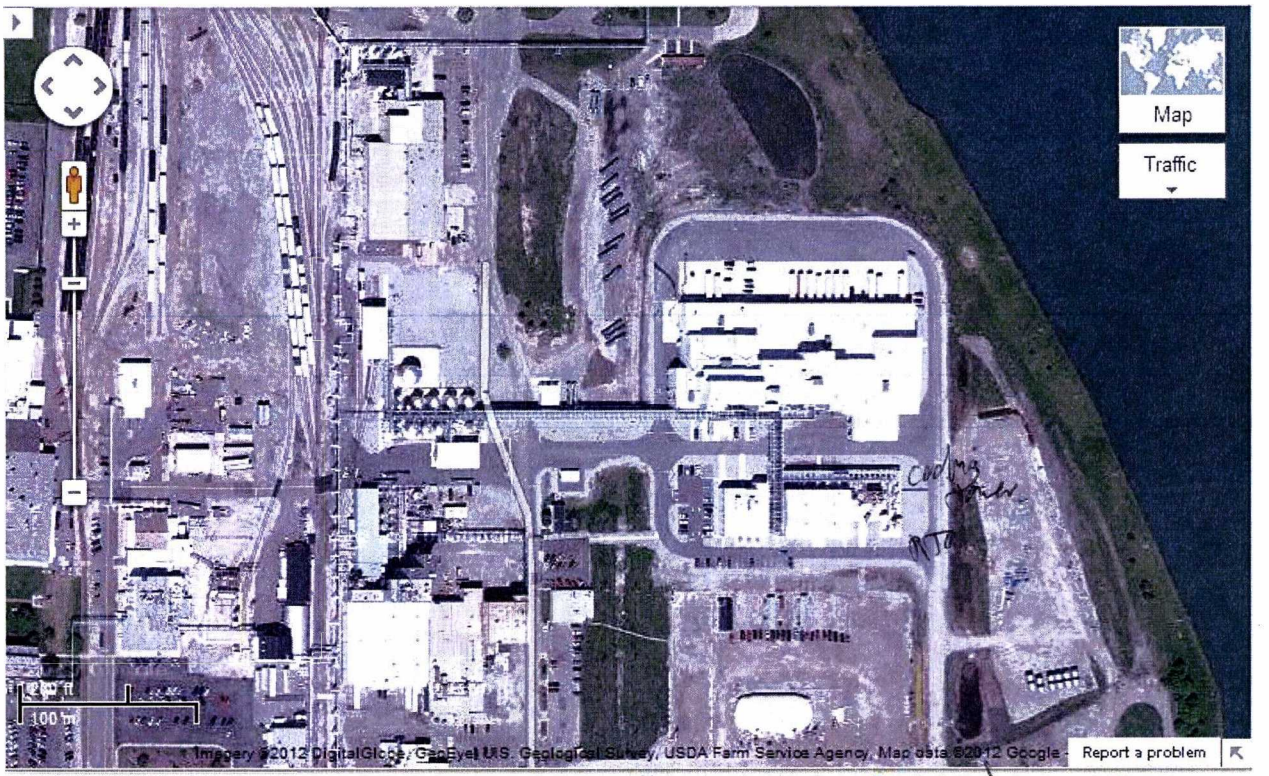

Done Internet 100%

stormwater ditches

stormwater ditch

freewater pond
only for
emergen
7 - 10 million
gallons

part of em. fire suppression
system

no discharge capability
to this pond