INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
We Protect Hoosiers and Our Environment.
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(800) 451-6027 • (317) 232-8603 • www.idem.IN.gov

Eric J. Holcomb
Governor

Brian C. Rockensuess
Commissioner

June 25, 2024

VIA ELECTRONIC MAIL
Ella Casper
NSK Corporation
3400 Bearing Drive
Franklin, IN 46131
caspere@nsk-corp.com

Re: Inspection Summary Letter
NSK Corporation
Source ID 081-00023
Franklin, Johnson County

Dear Ella Casper:

On June 21, 2024, I, a representative of the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ), conducted an inspection of NSK Corporation, located at 3400 Bearing Drive in Franklin, Indiana. The inspection was conducted pursuant to IC 13-14-2-2. For your information, and in accordance with IC 13-14-5, a summary of the inspection is provided below:

Inspection Type: Commitment
Inspection Results: No violations were observed

Please direct any questions to me at 317-233-0432 or by email at vison@idem.IN.gov.

Sincerely,

Vaughn Ison

Vaughn Ison, Compliance Inspector
Compliance Section 1
Office of Air Quality

ACES ID: 298619

ENCLOSURE

cc: Vaughn Ison, Compliance and Enforcement Branch, Office of Air Quality

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
FIELD INSPECTION REPORT

SOURCE INFORMATION	
SOURCE NAME	NSK Corporation
SOURCE LOCATION	3400 Bearing Drive, Franklin, Indiana Johnson County
MAILING ADDRESS	3400 Bearing Drive, Franklin, IN 46131
PLANT ID	081-00023
PERMIT INFORMATION	Permit Type: TVOP Permit Number: 46842 Permit Expiration Date: 6/14/2026 VFC Document No.(hyperlink): 83577235
ATTAINMENT STATUS	☒ Attainment for all criteria pollutants ☐ Nonattainment for ☐SO_2 ☐CO ☐O_3 ☐NO_2 ☐Pb ☐PM_{10} ☐$PM_{2.5}$
SOURCE STATUS	☐ PSD Major (326 IAC 2-2) ☐ Major Source of HAPs ☐ Emission Offset (326 IAC 2-3) ☒ Area Source of HAPs ☐ Acid Rain (326 IAC 21)
SOURCE DESCRIPTION	NSK Corporation (NSK) owns a stationary hub bearing and ball screw manufacturing plant which operates 24 hours per day for seven days per week.

INSPECTION INFORMATION			
INSPECTED BY	Vaughn Ison		
INSPECTION DATE AND TIME	June 21, 2024	TIME IN: 9:10	TIME OUT: 11:10
REPORTED BY	Vaughn Ison	REPORT DATE: June 24, 2024	
COMPLIANCE PERIOD REVIEWED	Since most recent inspection		
INSPECTION NOTIFICATION	☐ Unannounced	☒ Announced: NSK functions as an ESP member who requested advanced notice of inspections. As such, I emailed Ms. Casper in advance to inform her of the inspection.	
INSPECTION OBJECTIVE(S)	☒ Compliance Monitoring Strategy (CMS) ☐ Commitment ☐ Mega-Site: ☐ FCE ☐ PCE ☐ Complaint ☐ Other: ☐ Surveillance		
ACES TRACKING NUMBER(S)	Inspection: 298619	Complaint: N/A	Violation/Warning: N/A
RM TRACKING NUMBER(S)	Complaint: N/A		
INSPECTION BACKGROUND	NSK was inspected on 8/25/2022 with no violations observed.		

SOURCE PERSONNEL INTERVIEWED			
Name	*Title*	*Phone Number*	*Email Address*
Ella Casper (via email)	Quality Assurance Mgr	317-738-5000, x358	caspere@nsk-corp.com
Jeff Smalley	EHS	317-738-5000	smellej@nsk-corp.com
Matt Galbreath	EHS	317-443-3706	galbrem@nsk-corp.com
Matt Myrick	EHS	317-649-7611	myrickm@nsk-corp.com
Jessica Robertson	EHS	317-738-5000	jessica.robertson@nsk-corp.com
Jakob Miers	EHS	317-738-5000	miersj@nsk-corp.com

INSPECTION AND COMPLAINT HISTORY (PREVIOUS 5 YEARS)			
Date	*Inspection/Complaint Type*	*Result*	*Comments*
8/25/2022	CMS	No Violations Noted	
8/27/2020	CMS	No Violations Noted	

COMPLIANCE HISTORY (PREVIOUS 5 YEARS)			
Informal Enforcement Actions			
Date Issued	*Action Taken*	*Describe Violation(s)*	
11/29/2021	Violation Letter	Resubmitted QRs that were originally submitted with inaccurate calculations	
Formal Enforcement Actions			
Case Number	*Enforcement Type*	Civil Penalty	Describe Violation(s)
N/A		$	
Other Relevant Actions			
Action Taken	*Comments*		
N/A			

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Emission Units and Control Devices:

NSK Corporation Hub Plant
(a) One (1) taper roller grinder, identified as EU-TRG-09, constructed in 2011, having a maximum process weight rate of 0.03 tons per hour, using the control device Exhaust Fan EF#19 for particulate control, and exhausting through vent EP-18.
(b) One (1) taper roller grinder, identified as EU-TRG-21 constructed in 2013, having a maximum process weight rate of 0.20 tons per hour, using the voluntary control device Exhaust Fan EF#19 for particulate control, and exhausting through vent EP-18.
(c) Two (2) taper roller superfinish grinders, identified as EU-SFTR-05 and EU-SFTR-07, constructed in 2011, having a maximum process weight rate of 0.07 tons per hour, each, using the control device Exhaust Fan EF-19 for particulate control, and exhausting through vent EP-18.
(d) One (1) taper roller superfinish grinder, identified as EU-SFTR-11, constructed in 2013, having a maximum process weight rate of 0.07 tons per hour, using the control device Exhaust Fan EF-19 for particulate control, and exhausting through vent EP-18.

Specifically Regulated Insignificant Activities
NSK Corporation Hub Plant
(a) Grinding operation, identified as G1 Grinding, consisting of:
(1) Three (3) wet grinding machines, identified as EU-G1-01 through EU-G1-03, constructed in 1989 through 1994, having a maximum process weight rate of 0.34 tons per hour, each, EU-G1-01 through EU-G1-03 using voluntary Clark Air Unit mist eliminator CA#7 for particulate control, and all exhausting within the building.
(2) Three (3) wet grinding machines, identified as EU-G1-04 through EU-G1-06, constructed in 1989 through 2010, having a maximum process weight rate of 0.34, 0.07, and 0.07 tons per hour, respectively, using no control devices, and exhausting within the building.
(3) Three (3) wet grinding machines, identified as EU-G1-08 through EU-G1-10, constructed in 2013, having a maximum process weight rate of 0.34 tons per hour, each, EU-G1-08 using no control device, EU-G1-09 and EU-G1-10 using the voluntary Clark Air Unit mist eliminator CA#7 for particulate control, and all exhausting within the building.

(b) Grinding operation, identified as G2 Grinding, divided into two sections HUB I, and HUB III, with the following emission units:

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(1) Eighteen (18) wet grinding machines, identified as EU-G2-01 through EU-G2- 08, EU-G2-10 through EU-G2-12, EU-G2-21, EU-G2-22, EU-G2-24, EU-G2- 25, EU-G2-31 and EU-G2-32, EU-G2-40, all constructed in 1990 through 2010, EU-G2-01 through EU-G2-08, EU-G2-10 through EU-G2-18, EU-G2-21, EU-G2-22, EU-G2-24, EU-G2-25, and EU-G2-32, having a maximum process weight rate of 0.07 tons per hour, each, EU-G2-40, having a maximum process weight rate of 0.33 tons per hour, each, using voluntary control devices Aerostokes mist eliminators, A#4, A#5, A#6, A#7, A#8, A#10, and A#11 for particulate control, and exhausting through vents EP-17 or EP-18.
(2) Three (3) wet grinding machines, identified as EU-G2-16 through EU-G2-18, all constructed in 1990 through 2010, having a maximum process weight rate of 0.07 tons per hour, each using voluntary control device, Exhaust Fan EF-19 for particulate control, and exhausting through vent EP-18.
(3) Three (3) wet grinding machines, identified as EU-G2-30, EU-G2-33 and EU-G2-43, constructed in 1990 through 2010, EU-G2-30 and EU-G2-33 having a maximum process weight rate of 0.07 tons per hour, each, EU-G2-43 having a maximum process weight rate of 0.43 tons per hour, using the voluntary control device Aerostoke mist eliminator, CA#12 for particulate control, and exhausting within the building.
(4) Three (3) wet grinding machines, identified as EU-G2-37, EU-G2-38, and EUG2-39, constructed in 2017, having a maximum process weight rate of 0.07 tons per hour, each, using the voluntary control device, Clark Air Unit mist eliminator CA#10 for particulate control, and exhausting within the building.
(5) Three (3) wet grinding machines, identified as EU-G2-44 through EU-G2-46, constructed in 2017, having a maximum process weight rate of 0.07 tons per hour, each, using the voluntary Clark Air Unit mist eliminator CA#11 for particulate control, and exhausting within the building.
(6) Three (3) wet grinding machines, identified as EU-G2-47 through EU-G2-49, constructed in 2020, having a process weight rate of 0.07 tons per hour, each, using the voluntary Clark Air Unit mist eliminator CA#13 for particulate control, and exhausting within the building.

(c) Grinding operation, identified as New Concept Grinding, constructed in 2009, consisting of the following:
(1) Eighteen (18) wet grinding machines, identified as EU-NCG-01 through EUNCG-03, EU-NCG-06 through EU-NCG-08, EU-NCG-12 through EU-NCG-14, and EU-NCG-17 through EU-NCG-24, having a maximum process weight rate of 0.11 tons per hour, each, and EU-NCG-25, having a maximum process weight rate of 0.43 tons per hour, using the voluntary Clark Air Unit mist eliminators CA#1, CA#2, CA#3, CA#4, CA#5, and CA#6 for particulate controls, and exhausting within the building.
(2) Six (6) wet grinding machines, identified as EU-NCG-04, EU-NCG-05, EUNCG-10, EU-NCG-11, EU-NCG-15, and EU-NCG-16, having a maximum process weight rate of 0.11 tons per hour, each, using the voluntary Aerostokes mist eliminator A#6, for particulate control, and exhausting through vent EP-17.

(d) Grinding operation, identified as Taper Roller Grinding, consisting of the following:
(1) Seven (7) wet grinding machines identified as EU-TRG-01 through EU-TRG-07, constructed in 2009, having a maximum process weight rate of 0.03 tons per hour, each, using the voluntary Aerostoke mist eliminators A#3 and A#5 for particulate control, and exhausting through vent EP-18.
(2) One (1) wet grinding machine identified as EU-TRG-08, constructed in 2010, having a maximum process weight rate of 0.20 tons per hour, using the voluntary Aerostoke mist eliminator A#3 for particulate control, and exhausting through vent EP-18.
(3) One (1) taper roller grinder, identified as EU-TRG-13, constructed in 2011, having a maximum process weight rate of 0.20 tons per hour, using the voluntary control device Aerostokes mist eliminator A#5, for particulate control, and exhausting through vent EP-18.
(4) Six (6) taper roller grinders, identified as EU-TRG-10, through EU-TRG-12, and EU-TRG-14 through EU-TRG-16, constructed in 2011, having a maximum process weight rate of 0.03 tons per hour, each, using the voluntary Clark Air Unit mist eliminator CA#8 for particulate control, and exhausting within the building.
(5) One (1) taper roller grinding, identified as EU-TRG-17, constructed in 2013, having a maximum process weight rate of 0.20 tons per hour, using the voluntary Aerostokes mist eliminator A#5, and exhausting through vent EP-18.
(6) Six (6) taper roller grinders, identified as EU-TRG-18 through EU-TRG-20, and EU-TRG-22 through EU-TRG-24, constructed in 2013, having a maximum process weight rate of 0.20 tons per hour, each, using the voluntary Clark Air Unit mist eliminators CA#8 and CA#9 for particulate control, and exhausting within the building.

(e) Superfinish operation, identified as Superfinish G2, constructed in 1990 through 2010, consisting of the following:
(1) Eleven (11) wet machining units, identified as EU-SFG2-01 through EU-SFG2- 04, EU-SFG2-07, EU-SFG2-09 through EU-SFG2-11, EU-SFG2-18, EU-SFG2-21 and EU-SFG2-25, having a maximum process weight rate of 0.10 tons per hour, each, using the voluntary Aerostokes mist eliminators A#3, A#4, A#5, A#6, A#7, A#8, A#10, and A#11 for particulate control, and exhausting through vents EP-17 or EP-18.

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(2) Two (2) wet machining units, identified as EU-SFG2-15 and EU-SFG2-16 having a maximum process weight rate of 0.10 tons per hour, each using voluntary control device, Exhaust Fan EF-19 for particulate control, and exhausting through vent EP-18.
(3) One (1) wet machining units, identified as EU-SFG2-30 having a maximum process weight rate of 0.10 tons per hour, each using voluntary control device, Clark Air unit CA#12 for particulate control, and exhausting within the building.
(4) One (1) wet machining unit, identified as EU-SFG2-27, constructed in 1996, having a maximum process weight rate of 0.10 tons per hour, using voluntary control device Clark Air unit CA#12, and exhausting the building.
(5) Two (2) wet machining units, identified as EU-SFG2-29, and EU-SFG2-31, constructed in 2017, having a maximum process weight rate of 0.10 tons per hour, each, using the voluntary Clark Air Unit mist eliminator CA#10 for particulate control and exhausting within the building.
(6) Two (2) wet machining units, identified as EU-SFG2-32, and EU-SFG2-33, constructed in 2017, having a nominal capacity of 0.10 tons per hour, each, using the voluntary Clark Air Unit mist eliminator CA#11 for particulate control, and exhausting within the building.
(7) Two (2) wet machining units, identified as EU-SFG2-34 and EU-SFG2-35, constructed in 2020, having a nominal capacity of 0.10 tons per hour, each, using voluntary Clark Air Unit mist eliminator CA#13 for particulate control, and exhausting within the building.

(f) Superfinish operation, identified as Superfinish New Concept, consisting of the following:
(1) Eleven (11) wet machining units, identified as EU-SFNC-01 through EUSFNC-03, EU-SFNC-06, EU-SFNC-07, and EU-SFNC-10 through EU-SFNC-15, constructed in 1990 through 2010, having a maximum process weight rate of 0.18 tons per hour, each, using the volunteer Clark Air Unit mist eliminators CA#1, CA#2, CA#3, CA#4, CA#5, and CA#6, for particulate control, and exhausting within the building.
(2) Two (2) wet machining units, identified as EU-SFNC-05 and EU-SFNC-09, constructed in 1990 through 2010, having a maximum process weight rate of 0.18 tons per hour, each, using the voluntary Aerostokes mist eliminator A#6, for particulate control, and exhausting through vents EP-18.
(3) Two (2) wet machining units, identified as EU-SFNC-16 and EU-SFNC-17, constructed in 2013, having a maximum process weight rate of 0.50 tons per hour, each, using the voluntary Clark Air Unit mist eliminators CA#1 and CA#2, respectively, for particulate control, and exhausting within the building.
(4) One (1) wet machining unit, identified as EU-SFNC-18, constructed in 2013, having a maximum process weight rate of 0.50 tons per hour, using the voluntary Aerostokes mist eliminator A#6 for particulate control, and exhausting through vent EP-18.
(5) One (1) wet machining unit, identified as EU-SFNC-19, permitted in 2022, having a maximum process weight rate of 0.18 tons per hour, each, using the volunteer Clark Air Unit mist eliminator CA#3, for particulate control, and exhausting within the building.

(g) Superfinish operation, identified as Superfinish Taper Roller, consisting of the following:
(1) Four (4) wet machining units, identified as EU-SFTR-01 through EU-SFTR-04, constructed in 2009, having a maximum process weight rate of 0.07 tons per hour, each, using the voluntary Aerostoke mist eliminators A#3 and A#5 for particulate control, and exhausting through vent EP-18.
(2) Taper roller superfinish grinder operation as follows:
(A) Two (2) taper roller superfinish grinders, identified as EU-SFTR-06 and EU-SFTR-08, constructed in 2011, having a maximum process weight rate of 0.07 tons per hour, each, using the voluntary Clark Air Unit mist eliminator CA#8 for particulate control, and exhausting within the building.
(B) One (1) taper roller superfinish grinder, identified as EU-SFTR-09, constructed in 2013, having a maximum process weight rate of 0.07 tons per hour, using the voluntary Aerostokes mist eliminator A#5 for particle control, and exhausting through EP-18,
(C) Two (2) taper roller superfinish grinders, identified as EU-SFTR-10, and EU-SFTR-12, constructed in 2013, having a maximum process weight rate of 0.07 tons per hour, each, using the voluntary Clark Air Unit mist eliminators CA#8 and CA#9, respectively, for particulate control and exhausting inside the building,

(h) Hard turning process, identified as FS-4 Turning, consisting of four (4) wet machining units, identified as EU-HTFS-02 through EU-HTFS-05, constructed in 2002, having a maximum process weight rate of 0.02 tons per hour, each,

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(i) Hard turning process, identified as LU300 Turning, consisting of six (6) wet machining units, identified as EU-HTLU-01 through EU-HTLU-03 and EU-HTLU-06 through EUHTLU-08, constructed in 2002 through 2017, having a maximum process weight rate of 0.27 tons per hour, each, and exhausting within the building.

(j) Broaching processes, identified as Broaching, consisting of two (2) wet broaching unit, identified as EU-BR-01 and EU-BR-02, constructed in 2002, and two (2) wet machining units, identified as EU-BR-03 and EU-BR-04, constructed in 2017**,** having a maximum process weight rate of 0.27 tons per hour, each, using no control devices, and exhausting within the building.

(k) One (1) wet machining unit, identified as EU-BR-05, permitted in 2022, with a maximum process weight rate of 0.27 tons per hour, each, using no control devices, and exhausting indoors.

(l) Painting, consisting of:
(1) Three (3) paint lines, identified as EU-PNT-01, EU-PNT-02, and EU-PNT-05, constructed in 2009, using less than 5 gallons of coating, using the voluntary Clark Air Unit mist eliminators CA#4, CA#5 and CA#6 as particulate control, and exhausting within the building.
(2) Two (2) paint lines, identified as EU-PNT-08 through EU-PNT-09, constructed in 2010, using less than 5 gallons of coating, using Clark Air Unit mist eliminators CA#2 and CA#12 for particulate control, and exhausting within the building.
(3) One (1) paint line, identified as EU-PNT-10, constructed in 2013, using less than 5 gallons of coating, using the CA#13 for particulate control, and exhausting within the building.

(m) Rust preventative application operation, identified as Hub I - Assembly Rust Preventative, consisting of three (3) coating lines, identified as EU-H1RP-01 through EU-H1RP-03, constructed in 1990 through 2001, with maximum usage of 0.253 gallons per hour, each, of rust preventive spray to coat metal parts, and exhausting within the building.

(n) Rust preventative application operation, identified as Hub III - Assembly / New Concept Rust Preventative, consisting of nine (9) coating lines, identified as EUH3/NCRP-01 through EU-H3/NCRP-09, constructed in 1992 through 2017, with maximum usage of 0.253 gallons per hour, each, of rust preventive spray to coat metal parts, and exhausting within the building.

(o) Rust preventative application operation, identified as Hub III - Assembly consisting of coating lines, identified as EU-H3RP-01, using 0.253 gallons per hour rust preventive spray to coat metal parts, constructed in 2017, and exhausting within the building.

(p) Rust preventative application operation, identified as Taper Roller Rust Preventative, consisting of the following:
(1) One (1) coating line, identified as EU-TRRP-01, constructed in 2009, with maximum usage of 0.253 gallons per hour, of rust preventive spray to coat metal parts, and exhausting within the building.
(2) Two (2) coating lines, identified as EU-TRRP-02, and EU-TRRP-03, constructed in 2010, with maximum usage of 0.030 gallons per hour, each, EU-TRRP-02 using the voluntary control device Clark Air Unit mist eliminator CA#9 for particulate control and exhausting within the building, and EU-TRRP-03, using voluntary control device, Exhaust Fan EF-19 for particulate control, and exhausting through vent EP-18.
(3) One (1) coating line, identified as EU-TRRP-04, constructed in 2013, with maximum usage of 0.163 gallons per hour, of rust preventive spray to coat metal parts, and exhausting within the building.
(4) One (1) coating line, constructed in 2013, identified as EU-TRRP-05, with maximum usage of 0.163 gallons per hour, of rust preventive spray to coat metal parts, using no control device within the building.

(q) Conveyorized degreasers including:
(1) Superfinish wash conveyorized degreasing operation, constructed in 1990 through 1996 consisting of the following:
(A) Eleven (11) conveyorized degreasing units, identified as EU-SFW-01, EU-SFW-03, EU-SFW-04, EU-SFW-08 through EU-SFW-11, EUSFW-13, EU-SFW-14, EU-SFW-18, EU-SFW-21, EU-SFW-22, and EU-SFW-25, constructed in 1990 through 2010, with maximum usage of 528 gallons per year, each, using no control device, and exhausting within the building.
(B) Eight (8) conveyorized degreasing units, identified as EU-SFW-32 through EU-SFW-39, constructed in 2013, with maximum usage of 528 gallons per year, each, using no control device, and exhausting within the building.

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(2) Parts wash conveyorized degreasing process, including three operations identified as Parts Wash, Rough Wash, and Finish Wash, consisting of the following:
(A) Twenty-eight (28) conveyorized degreasing units, identified as EUPW-01 through EU-PW-04, EU-PW-06 through EU-PW-08, EU-PW-22 through EU-PW-27, EU-PW-30 through EU-PW-35, EU-PW-37 through EU-PW-41, EU-PW-43 through EU-PW-46, constructed in 1990 through 2009, with maximum usage of 528 gallons per year, each, using the voluntary Clark Air Unit mist eliminators CA#1, CA#2, CA#3, CA#4, CA#5, CA#6, CA#8 and CA#9, and exhausting within the building.
(B) Three (3) conveyorized degreasing units, identified as EU-PW-47 through EU-PW-49, constructed in 2010, with maximum usage of 528 gallons per year, each, EU-PW-48 exhausting through vent EP-18, and EU-PW-47 and EU-PW-49, using the voluntary control device Clark Air Unit mist eliminator CA#9, and exhausting within the building.
(C) Five (5) conveyorized degreasing units, identified as EU-PW-51 through EU-PW-55, constructed in 2013, with maximum usage of 528 gallons per year, each, and EU-PW-51 through EU-PW-54 using the voluntary control device Clark Air Unit mist eliminators CA#4, CA#6 and CA#9 exhausting within the building; and EU-PW-55 exhausting through vent EP-18.
(D) Eleven (11) conveyorized degreasing units, identified as EU-PW-16, EU-PW-17, EU-PW-19, EU-PW-20, and EU-PW-56 through EU-PW-62, constructed in 2017, with maximum usage of 528 gallons per year, each, using the voluntary control devices Clark Air Unit mist eliminators CA#8, CA#10, CA#11, and CA#12, and exhausting within the building.
(E) Three (3) conveyorized degreasing units, identified as EU-PW-63 through EU-PW-65, constructed in 2020, with maximum usage of 528 gallons per year, each, using the voluntary control device Clark Air Unit mist eliminators CA#13, and exhausting within the building.
(F) Two (2) conveyorized degreasing units, identified as EU-PW-66 and EU-PW-67, permitted in 2022, with maximum usage of 528 gallons per year, each, using the voluntary control device Clark Air Unit mist eliminators CA#8, and exhausting within the building. EU-PW-67 is not controlled by any mist eliminator.

(r) Miscellaneous process tanks including:
(1) One (1) finish wash tank, identified as EU-Tank-02, constructed in 1992, with a maximum capacity of 7,500 gallons, containing 95% kerosene and 5% additive, supplying the Finish Wash conveyorized degreasing units, and exhausting through vent EP-2.
(2) One (1) ball wash tank, identified as EU-Tank-03, constructed in 1992, with a maximum capacity of 4,000 gallons, containing 95% kerosene and 5% additive, supplying the Ball Wash conveyorized degreasing units, and exhausting through vent EP-3.
(3) One (1) rough wash tank, identified as EU-Tank-04, constructed in 1992, with a maximum capacity of 7,500 gallons, containing 95% kerosene and 5% additive, supplying the Rough Wash conveyorized degreasing units, and exhausting through vent EP-4.
(4) One (1) parts wash tank, identified as EU-Tank-06, constructed in 1992, with a maximum capacity of 7,500 gallons, containing 95% kerosene and 5% additive, supplying the Parts Wash conveyorized degreasing units, and exhausting through vent EP-6.
(5) One (1) superfinish oil tank, identified as EU-Tank-07, constructed in 1992, with a maximum capacity of 4,000 gallons, containing Superfinish G2, Superfinish New Concept, and Superfinish Taper Roller dirty oil, and exhausting through vent EP-7.
(6) One (1) superfinish oil tank, identified as EU-Tank-08, constructed in 1992, with a maximum capacity of 3,000 gallons, containing Superfinish G2, Superfinish New Concept, and Superfinish Taper Roller clean oil, and exhausting through vent EP-8.
(7) One (1) super finish wash tank, identified as EU-Tank 10, constructed in 1992, with a maximum capacity of 2,500 gallons of superfinish wash fluid, supplying the Super Finish Wash conveyorized degreasing units, and an exhausting through vent EP-10.
(8) One (1) coolant tank, identified as EU-Tank-12, constructed in 1992, with a maximum capacity of 6,500 gallons, containing G2 Grinding, New Concept Grinding, and Taper Roller Grinding dirty coolant, and exhausting through vent EP-12.
(9) One (1) coolant tank, identified as EU-Tank-13, constructed in 1992, with a maximum capacity of 5,000 gallons, containing G2 Grinding, New Concept Grinding, and Taper Roller Grinding dirty coolant, and exhausting through vent EP-13.
(10) One (1) coolant tank, identified as EU-Tank-14, constructed in 1992, with a maximum capacity of 5,000 gallons, containing G1 Grinding dirty coolant, and exhausting through vent EP-14.
(11) One (1) coolant tank, identified as EU-Tank-15, constructed in 1992, with a maximum capacity of 4,000 gallons, containing G1 Grinding clean coolant, and exhausting through vent EP-15.

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NSK Precision America, Inc. Plant
(a) Cutting process, constructed in 1995 through 2009, consisting of:
(1) Four (4) wet machining units, identified as EU-NPACT-01, EU-NPACT-05, EUNPACT-07, EU-NPACT-14, and EU-NPACT-15, having a maximum process weight rate of 0.06 tons per hour, each, using no control devices, and exhausting within the building.
(2) One (1) wet machining cut-off-saw, identified as EU-NPACT-10, having a maximum process weight rate of 0.06 tons per hour, using the voluntary-board mist eliminators as control device, and exhausting within the building.
(3) Two (2) wet machining units, identified as EU-NPACT-16, and EU-NPACT-20, constructed in 2015, having a maximum process weight rate of 0.06 tons per hour, using no control device, and exhausting within the building.
(4) Two (2) wet machining units, identified as EU-NPACT-17, and EU-NPACT-18, constructed in 2014, having a maximum process weight rate of 0.06 tons per hour, each, using no control device, and exhausting within the building.
(5) One (1) wet machining unit, identified as EU-NPACT-21, constructed in 2023, having a maximum process weight rate of 0.06 tons per hour, using no control device, and exhausting within the building.

(b) Turning process, consisting of:
(1) Five (5) shaft turning wet machining units, identified as EU-NPAT-01, EUNPAT-02, EU-NPAT-07, EU-NPAT-08, and EU-NPAT-11, constructed in 1994 through 1997, having a maximum process weight rate of 0.06 tons per hour, each, using no control devices, and exhausting within the building.
(2) One (1) blank turning wet machining unit, identified as EU-NPAT-13, constructed in 2009, having a maximum process weight rate of 0.06 tons per hour, using the on-board mist eliminator for particulate control, and exhausting within the building.
(3) Three (3) ball circuit wet machining units, identified as EU-NPAT-14, EUNPAT-15, and EU-NPAT-18, constructed in 1996, having a maximum process weight rate of 0.06 tons per hour, each, using no control devices, and exhausting within the building.
(4) Five (5) flange milling wet machining units, identified as EU-NPAT-22 through EU-NPAT-24, EU-NPAT-26, EU-PAT-27, and EU-NPAT-35, constructed in 1994 through 2014, having a maximum process weight rate of 0.06 tons per hour, each, using no control devices, and exhausting within the building.
(5) One (1) shaft turning wet machine unit, identified as EU-NPAT-28, constructed in 2010, having a maximum process weight rate of 0.06 tons per hour, using no control device, and exhausting within the building.
(6) Three (3) shaft turning wet machines, identified as EU-NPAT-30, EU-NPAT-31, and EU-NPAT-36, constructed in 2011 through 2014, having a maximum capacity of 0.06 tons per hour, each, using no control devices, and exhausting within the building.
(7) One (1) nut turning wet machine, identified as EU-NPAT-29, constructed in 2011, having a maximum process weight rate of 0.06 tons per hour, using the on-board mist collector for particulate control, and exhausting within the building.
(8) Four (4) nut turning wet machines, identified as EU-NPAT-32 through EUNPAT-34, and EU-NPAT-37, constructed in 2013, having a maximum process weight rate of 0.06 tons per hour, each, using no control devices, and exhausting within the building.
(9) Three (3) shaft turning wet machine units, identified as EU-NPAT-39, EUNPAT-41, and EU-NPAT-42, constructed in 2015, having a maximum process weight rate of 0.06 tons per hour, each, EU-NPAT-39, controlled by an onboard mist eliminator (Aerostoke), and EU-NPAT-41, and EU-NPAT-42, using no control devices, and exhausting within the building.
(10) One (1) flange milling wet machining unit, identified as EU-NPAT-43, constructed in 2015, having a maximum process weight rate of 0.06 tons per hour, using no control device, and exhausting within the building.
(11) One (1) vertical milling wet machining unit, identified as EU-NPAT-38, constructed in 2015, having a maximum process weight rate of 0.06 tons per hour, using no control device, and exhausting within the building.
(12) One (1) nut turning wet machining unit, identified as EU-NPAT-44, constructed in 2016, having a maximum process weight rate of 0.06 tons per hour, using no control device, and exhausting within the building.
(13) One (1) shaft turning wet machine unit, identified as EU-NPAT-45, constructed in 2016, having a maximum process weight rate of 0.06 tons per hour, using no control device, and exhausting within the building.
(14) One (1) nut turning wet machine unit, identified as EU-NPAT-46, constructed in 2017, having a maximum process weight rate of 0.06 tons per hour, using no control device, and exhausting within the building.
(15) One (1) Milling wet machine unit, identified as EU-NPAT-47, constructed in 2018, having a maximum process weight rate of 0.06 tons per hour, using no control device, and exhausting within the building.

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(16) One (1) shaft turning wet machine unit, identified as EU-NPAT-48, constructed in 2018, having a maximum process weight rate of 0.06 tons per hour, using control device on-board mist eliminator for particulate control, and exhausting within the building.
(17) Two (2) turning machine units, identified as EU-NPAT-49 and EU-NPAT-50, constructed in 2023, having a maximum process weight rate of 0.06 tons per hour, each, using no control device, and exhausting within the building.

(c) Grinding operation, constructed in 1993 through 2013, consisting of:
(1) Five (5) shaft END/OD wet grinding machines, identified as EU-NPAG-02, EUNPAG-03, and EU-NPAG-07 through NPAG-09, having a maximum process weight rate of 0.06 tons per hour, each, using the on-board mist eliminators for particulate control, and exhausting within the building.
(2) One (1) shaft end milling wet machining units, identified as EU-NPAG-11 and EU-NPAG-12, having a maximum process weight rate of 0.06 tons per hour, each, using no control devices, and exhausting within the building.
(3) Six (6) nut thread wet grinding machines, identified as, EU-NPAG-28, EUNPAG-31 through EU-NPAG-35, having a maximum process weight rate of 0.06 tons per hour, each, EU-NPAG-28 using the voluntary central oil mist collector (OMC) for particulate control, and EU-NPAG-31 through EU-NPAG-35, voluntary on-board mist eliminators for particulate control, and exhausting within the building.
(4) One (1) surface wet grinding machines, identified as EU-NPAG-14 and EUNPAG-15, having a maximum process weight rate of 0.06 tons per hour, each, using the voluntary on-board mist eliminators for particulate control, and exhausting within the building.
(5) Five (5) shaft thread wet grinding machines, identified as EU-NPAG-16 and EU-NPAG-18 through EU-NPAG-21, having a maximum process weight rate of 0.06 tons per hour, each, using the voluntary on-board mist eliminators for particulate control, and exhausting within the building.
(6) One (1) shaft thread wet grinding machines, identified as EU-NPAG-24 and EU-NPAG-26, having a maximum process weight rate of 0.06 tons per hour, each, using the central oil mist collectors (OMC) for particulate control, and exhausting through vent EP-19.
(7) One (1) shaft thread wet grinding machine, identified as EU-NPAG-50, constructed in 2014, having a maximum process weight rate of 0.06 tons per hour, using the voluntary central oil mist collector (OMC) for particulate control, and exhausting through vent EP-19.
(8) Four (4) nut thread wet grinding machines, identified as EU-NPAG-37 through EU-NPAG-40, constructed in 2013 through 2015, having a maximum process weight rate of 0.06 tons per hour, each, using the voluntary on-board mist eliminators for particulate control, and exhausting within the building.
(9) Three (3) shaft END wet grinding machines, identified as EU-NPAG-41 through EU-NPAG-43, constructed in 2015, having a maximum process weight rate of 0.06 tons per hour, each, using the voluntary on-board mist eliminators for particulate control, and exhausting within the building.
(10) Two (2) shaft OD wet grinding machines, identified as EU-NPAG-44 and NPAG-45, constructed in 2015, having a maximum process weight rate of 0.06 tons per hour, each, using the voluntary on-board mist eliminators for particulate control, and exhausting within the building.
(11) Four (4) shaft thread wet grinding machines, identified as EU-NPAG-46 through EU-NPAG-49, constructed in 2015, having a maximum process weight rate of 0.06 tons per hour, each, using the voluntary on-board mist eliminators for particulate control, and exhausting within the building.
(12) One (1) shaft thread wet grinding machine, identified as EU-NPAG-51, constructed in 2020, having a maximum process weight rate of 0.06 tons per hour, using the voluntary on-board mist eliminator for particulate control, and exhausting within the building.
(13) One (1) shaft thread wet grinding machine, identified as EU-NPAG-52, constructed in 2023, having a maximum process weight rate of 0.06 tons per hour, using the voluntary on-board mist eliminator (ID-Showa-Denki) for particulate control, and exhausting within the building.

(d) Dip process, identified as Dip Process, consisting of the following:
(1) Three (3) dip tanks, identified as EU-NPAD-01 through EU-NPAD-03, constructed in 2008, using 0.007 gallons of per hour, each, of rust preventative coating applied to metal parts using a dip application, using no control devices, and exhausting within the building.
(2) One (1) dip tank, constructed in 2018, identified as EU-NPAD-06, using 0.007 gallons of rust preventative coating applied to metal parts using a dip application, using no control device, and exhausting within the building.

(e) Cold cleaner degreasing process, consisting of the following:
(1) Two (2) dip tanks, identified as EU-NPACL-01 through EU-NPACL-03, constructed in 1993, 2003, and 2006, respectively, using 330 gallons of solvent per year, each, and exhausting within the building.

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(2) Six (6) dip tanks, identified as EU-NPACL-04 through EU-NPACL-09, constructed in 2011, using 330 gallons of solvent per year, each, and exhausting within the building.
(3) Five (5) dip tanks, identified as EU-NPACL-11 through EU-NPACL-15, constructed in 2013, using 330 gallons of solvent per year, each, and exhausting within the building.
(4) One (1) dip tanks, identified as EU-NPACL-16 and EU-NPACL-17, constructed in 2016, using 118 gallons of solvent per year, each, and exhausting within the building.
(5) Two (2) cleaning tanks, identified as EU-NPACL-18 through EU-NPACL-19, constructed in 2017, using 330 gallons of solvent per year, each, and exhausting within the building.
(6) Two (2) cleaning tanks, identified as EU-NPACL-20, and EU-NPACL-21, constructed in 2020, using 330 gallons of solvent per year, each, and exhausting within the building.
(7) One (1) cleaning tank, identified as EU-NPACL-22, constructed in 2023, using 250 gallons of solvent per year, and exhausting within the building.
(8) One (1) cleaning tank, identified as EU-NPACL-23, constructed in 2023, using 100 gallons of solvent per year, and exhausting within the building

(f) One (1) packing process, identified as Packing Process NPAPK-01, constructed in 1992, consisting of one hand packing operating and hand application of rust preventive, with maximum usage of 55 gallons per year, and exhausting within the building.

(g) One (1) packing process, identified as Packing Process NPAPK-02, constructed in 2015, with maximum usage of 55 gallons per year, consisting of one hand packing operating and hand application of rust preventive, and exhausting within the building.

Pollutants with Emission Limits or Applicable Standards:

☐ SO_2 ☐ NO_X ☐ CO ☒ VOC ☒ PM ☐ PM_{10} ☐ $PM_{2.5}$ ☐ HAPS

Applicable Rules:

- 326 IAC 6-3, 8-1, & 8-2

Requirement:	Applicable	Violation Noted
Emission Limitations and Standards	☒ Yes ☐ No	☐ Yes ☒ No
Preventive Maintenance Plan	☒ Yes ☐ No	☐ Yes ☒ No
Compliance Determination Requirements	☒ Yes ☐ No	☐ Yes ☒ No
Testing Requirements	☐ Yes ☒ No	☐ Yes ☐ No
Compliance Monitoring Requirements	☒ Yes ☐ No	☐ Yes ☒ No
Recordkeeping Requirements	☒ Yes ☐ No	☐ Yes ☒ No
Types of Records Reviewed: VOC content of coating materials Coating and solvent material Visible emissions notations		
Reporting Requirements	☒ Yes ☐ No	☐ Yes ☒ No

Observations and Comments:

I reviewed the PMP and determined its adequacy. I observed no visible emissions during the inspection.

Records checked on the day of this inspection showed the input of VOC's to the emission units listed in permit section D.1.1 minus the VOC containing waste materials shipped out were less than 246 tons per 12 consecutive month period (PSD Avoidance Limit). VOC emissions equaled 125.81 tons per 12 consecutive month period ending in April 2024.

Records checked showed the VOC usage for the HUB I, II, III and taper roller rust preventative processes were less than 15.0 lbs/day. VOC usage for the compliance period reviewed varied between 0.0 lbs/day and 14.1 lbs/day.

NSK deducts the VOC content of the waste shipped offsite for disposal from the monthly VOC input reported to determine VOC usage. The source determines the VOC content of waste shipped offsite by sampling the waste shipped offsite using EPA Method 24. When a new coating is used, NSK again samples the waste shipped offsite to determine VOC usage.

PERMIT SECTION D.1

The Aerostokes and Clark Air Units operated at all times the G1 & G2 grinding units functions. The New Concept Grinding Units, superfinish G2, and superfinish New Concept processes were in operation on the day of this inspection at the Hub Plant.

The Clark air units and the exhaust fan operated at all times the G1 grinding units functioned. The taper roller grinding and superfinish taper roller processes operated on the day of this inspection at the Hub Plant.

Visible emissions notations of the wet grinding machines vent EP 19 exhaust at the Precision Plant were recorded satisfactorily with no abnormal readings noted. Visible emissions notations of the wet grinding machines vents EP 17 and EP 18 exhausts at the Hub Plant were recorded satisfactorily with no abnormal readings recorded.

Emission Unit or Control Device	*Parameter*	*Permitted Value/Range*	*Observation*
Hub Plant	Exhaust Fan/Vent	Operate in good condition	Operating
Hub Plant	Clark Air Unit	Operate in good condition	Operating
Hub Plant	Aerostokes Mist Eliminator	Operate in good condition	Operating

Permit Section Compliance Status:

☒ No violations were observed or determined for this permit section at the time of the inspection.
☐ The following violations were determined for this permit section at the time of the inspection:

PERMIT SECTION D.2

Emission Units and Control Devices:

NSK Corporation Hub Plant
(q) Conveyorized degreasers including:
(1) Superfinish wash conveyorized degreasing operation, constructed in 1990 through 1996 consisting of the following:
(A) Eleven (11) conveyorized degreasing units, identified as EU-SFW-01, EU-SFW-03, EU-SFW-04, EU-SFW-08 through EU-SFW-11, EUSFW-13, EU-SFW-14, EU-SFW-18, EU-SFW-21, EU-SFW-22, and EU-SFW-25, constructed in 1990 through 2010, with maximum usage of 528 gallons per year, each, using no control device, and exhausting within the building.
(B) Eight (8) conveyorized degreasing units, identified as EU-SFW-32 through EU-SFW-39, constructed in 2013, with maximum usage of 528 gallons per year, each, using no control device, and exhausting within the building.
(2) Parts wash conveyorized degreasing process, including three operations identified as Parts Wash, Rough Wash, and Finish Wash, consisting of the following:
(A) Twenty-eight (28) conveyorized degreasing units, identified as EUPW-01 through EU-PW-04, EU-PW-06 through EU-PW-08, EU-PW-22 through EU-PW-27, EU-PW-30 through EU-PW-35, EU-PW-37 through EU-PW-41, EU-PW-43 through EU-PW-46, constructed in 1990 through 2009, with maximum usage of 528 gallons per year, each, using the voluntary Clark Air Unit mist eliminators CA#1, CA#2, CA#3, CA#4, CA#5, CA#6, CA#8 and CA#9, and exhausting within the building.
(B) Three (3) conveyorized degreasing units, identified as EU-PW-47 through EU-PW-49, constructed in 2010, with maximum usage of 528 gallons per year, each, EU-PW-48 exhausting through vent EP-18,and EU-PW-47 and EU-PW-49, using the voluntary control device Clark Air Unit mist eliminator CA#9, and exhausting within the building.
(C) Five (5) conveyorized degreasing units, identified as EU-PW-51 through EU-PW-55, constructed in 2013, with maximum usage of 528 gallons per year, each, and EU-PW-51 through EU-PW-54 using the voluntary control device Clark Air Unit mist eliminators CA#4, CA#6 and CA#9 exhausting within the building; and EU-PW-55 exhausting through vent EP-18.
(D) Eleven (11) conveyorized degreasing units, identified as EU-PW-16, EU-PW-17, EU-PW-19, EU-PW-20, and EU-PW-56 through EU-PW 62, constructed in 2017, with maximum usage of 528 gallons per year, each, using the voluntary control devices Clark Air Unit mist eliminators CA#8, CA#10, CA#11, and CA#12, and exhausting within the building.

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(E) Three (3) conveyorized degreasing units, identified as EU-PW-63 through EU-PW-65, constructed in 2020, with maximum usage of 528 gallons per year, each, using the voluntary control device Clark Air Unit mist eliminators CA#13, and exhausting within the building.
(F) Two (2) conveyorized degreasing units, identified as EU-PW-66 and EU-PW-67, permitted in 2022, with maximum usage of 528 gallons per year, each, using the voluntary control device Clark Air Unit mist eliminators CA#8, and exhausting within the building. EU-PW-67 is not controlled by any mist eliminator.

Pollutants with Emission Limits or Applicable Standards:

☐ SO_2 ☐ NO_X ☐ CO ☒ VOC ☐ PM ☐ PM_{10} ☐ $PM_{2.5}$ ☐ HAPS

Applicable Rules:

- 326 IAC 8-3

Requirement:	Applicable	Violation Noted
Emission Limitations and Standards	☒ Yes ☐ No	☐ Yes ☒ No
Preventive Maintenance Plan	☒ Yes ☐ No	☐ Yes ☒ No
Compliance Determination Requirements	☐ Yes ☒ No	☐ Yes ☐ No
Testing Requirements	☐ Yes ☒ No	☐ Yes ☐ No
Compliance Monitoring Requirements	☐ Yes ☒ No	☐ Yes ☐ No
Recordkeeping Requirements	☐ Yes ☒ No	☐ Yes ☐ No
Reporting Requirements	☐ Yes ☒ No	☐ Yes ☐ No

Observations and Comments:

I reviewed the PMP and determined its adequacy. I observed no visible emissions during the inspection.
On the day of inspection, the source was:
- Prohibiting the disposal or transfer of waste solvent in a manner that could allow greater than 20% of the waste solvent (by weight) to evaporate into the atmosphere.
-Prohibiting the use of workplace fans near the degreaser opening.
-Equipping the degreaser with a permanent, conspicuous label that lists the operating requirements.
-Using solvent in the degreasers that complies with the 326 8-3-8 requirement for partial vapor pressure to be lower than 1 mm. The vapor pressure was 0.2 mm measured at 20° C.

Emission Unit or Control Device	*Parameter*	*Permitted Value/Range*	*Observation*
Hub Plant – Venting inside bldg	Clark Air Mist Eliminator	Operate in good condition	Operating

Permit Section Compliance Status:

☒ No violations were observed or determined for this permit section at the time of the inspection.
☐ The following violations were determined for this permit section at the time of the inspection:

PERMIT SECTION D.3

Emission Units and Control Devices:

NSK Precision America, Inc. Plant
(e) Cold cleaner degreasing process, consisting of the following:
(1) Two (2) dip tanks, identified as EU-NPACL-01 through EU-NPACL-03, constructed in 1993, 2003, and 2006, respectively, using 330 gallons of solvent per year, each, and exhausting within the building.
(2) Six (6) dip tanks, identified as EU-NPACL-04 through EU-NPACL-09, constructed in 2011, using 330 gallons of solvent per year, each, and exhausting within the building.
(3) Five (5) dip tanks, identified as EU-NPACL-11 through EU-NPACL-15, constructed in 2013, using 330 gallons of solvent per year, each, and exhausting within the building.
(4) One (1) dip tanks, identified as EU-NPACL-16 and EU-NPACL-17, constructed in 2016, using 118 gallons of solvent per year, each, and exhausting within the building.

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(5) Two (2) cleaning tanks, identified as EU-NPACL-18 through EU-NPACL-19, constructed in 2017, using 330 gallons of solvent per year, each, and exhausting within the building.
(6) Two (2) cleaning tanks, identified as EU-NPACL-20, and EU-NPACL-21, constructed in 2020, using 330 gallons of solvent per year, each, and exhausting within the building.
(7) One (1) cleaning tank, identified as EU-NPACL-22, constructed in 2023, using 250 gallons of solvent per year, and exhausting within the building.
(8) One (1) cleaning tank, identified as EU-NPACL-23, constructed in 2023, using 100 gallons of solvent per year, and exhausting within the building.

Pollutants with Emission Limits or Applicable Standards:

☐ SO_2 ☐ NO_X ☐ CO ☒ VOC ☐ PM ☐ PM_{10} ☐ $PM_{2.5}$ ☐ HAPS

Applicable Rules:

- 326 IAC 8-3

Requirement:	Applicable	Violation Noted
Emission Limitations and Standards	☒ Yes ☐ No	☐ Yes ☒ No
Preventive Maintenance Plan	☒ Yes ☐ No	☐ Yes ☒ No
Compliance Determination Requirements	☐ Yes ☒ No	☐ Yes ☐ No
Testing Requirements	☐ Yes ☒ No	☐ Yes ☐ No
Compliance Monitoring Requirements	☐ Yes ☒ No	☐ Yes ☐ No
Recordkeeping Requirements	☒ Yes ☐ No	☐ Yes ☒ No
Types of Records Reviewed: Solvent supplier and purchase information Solvent true vapor pressure		
Reporting Requirements	☐ Yes ☒ No	☐ Yes ☐ No

Observations and Comments:

On the day of inspection, all parts washers displayed a permanent, conspicuous label summarizing the operation requirements.
All parts washers were maintained with a closed degreaser cover whenever parts were not being handled in the cleaner
All parts washers were equipped with covers and had facilities for draining cleaned parts
Source uses a solvent in the parts washers that has a VOC composite partial vapor pressure that does not exceed one (1) millimeter of mercury per square inch measured at twenty (20) degrees Celsius.
Source maintains records in compliance with 326 IAC 8-3-8 Material Requirements for cold cleaner degreasers. The solvent used equaled 0.2 mm measured at 20° C.
I reviewed the PMP and determined its adequacy.

Emission Unit or Control Device	*Parameter*	*Permitted Value/Range*	*Observation*
Parts Cleaner	Cover	Keep Closed	Closed

Permit Section Compliance Status:

☒ No violations were observed or determined for this permit section at the time of the inspection.
☐ The following violations were determined for this permit section at the time of the inspection:

PERMIT SECTION D.4

Emission Units and Control Devices:

NSK Corporation Hub Plant
(a) Natural gas-fired combustion sources with heat input equal to or less than ten million (10,000,000) Btu per hour:
(1) Twenty-two (22) indirect fired Interior Heaters nominally rated at 0.075 MMBtu/hr each

PERMIT SECTION D.4

(2) Fifteen (15) indirect fired Rooftop HVAC Units nominally rated at 0.85 MMBtu/hr each
(3) One (1) indirect fired Rooftop HVAC Unit nominally rated at 0.4 MMBtu/hr
(4) Two (2) indirect fired Rooftop HVAC Units nominally rated at 0.3 MMBtu/hr, each
(5) One (1) indirect fired Rooftop HVAC Unit nominally rated at 0.15 MMBtu/hr
(6) Five (5) indirect fired Rooftop HVAC Units nominally rated at 0.50 MMBtu/hr., each
(7) Two (2) natural gas-fired Boilers nominally rated at 1.68 MMBtu/hr, each

NSK Precision America, Inc. Plant
(b) Natural gas-fired combustion sources with heat input equal to or less than ten million (10,000,000) Btu per hour:
(1) Four (4) indirect fired Interior Heaters nominally rated at 0.075 MMBtu/hr each
(2) Three (3) indirect fired Interior Heaters nominally rated at 0.15 MMBtu/hr each
(3) Two (2) indirect fired Interior Heaters nominally rated at 0.30 MMBtu/hr each
(4) Two (2) indirect fired HVAC Units nominally rated at 0.85 MMBtu/hr each
(5) Two (2) indirect fired HVAC Units nominally rated at 0.15 MMBtu/hr each
(6) Two (2) natural gas-fired Boilers nominally rated at 4.5 MMBtu/hr each
(7) One (1) Water Heater nominally rated at 0.032 MMBtu/hr

(c) **B-4 Warehouse Building**
(1) One (1) indirect fired HVAC Unit nominally rated at 0.08 MMBtu/hr, constructed in 2015
(2) One (1) indirect fired HVAC Unit nominally rated at 0.13 MMBtu/hr constructed in 2015
(3) Four (4) indirect fired HVAC Unit nominally rated at 0.2 MMBtu/hr, each, all constructed in 2015.

Pollutants with Emission Limits or Applicable Standards:

☐ SO_2 ☐ NO_X ☐ CO ☐ VOC ☒ PM ☐ PM_{10} ☐ $PM_{2.5}$ ☐ HAPS

Applicable Rules:

- 326 IAC 6-2

Requirement:	Applicable	Violation Noted
Emission Limitations and Standards	☒ Yes ☐ No	☐ Yes ☒ No
Preventive Maintenance Plan	☒ Yes ☐ No	☐ Yes ☒ No
Compliance Determination Requirements	☐ Yes ☒ No	☐ Yes ☐ No
Testing Requirements	☐ Yes ☒ No	☐ Yes ☐ No
Compliance Monitoring Requirements	☐ Yes ☒ No	☐ Yes ☐ No
Recordkeeping Requirements	☐ Yes ☒ No	☐ Yes ☐ No
Reporting Requirements	☐ Yes ☒ No	☐ Yes ☐ No

Observations and Comments:

Most of the HVAC units operated for air conditioning only. The heating units and boilers did not operate since the inspection occurred in the summer.

Emission Unit or Control Device	*Parameter*	*Permitted Value/Range*	*Observation*
N/A			

Permit Section Compliance Status:

☒ No violations were observed or determined for this permit section at the time of the inspection.
☐ The following violations were determined for this permit section at the time of the inspection:

PERMIT SECTION E.1

Emission Units and Control Devices:

NSK Corporation Hub Plant
(a) Natural gas-fired combustion sources with heat input equal to or less than ten million (10,000,000) Btu per hour:

PERMIT SECTION E.1

(1) One (1) natural gas-fired emergency stand-by generator, constructed in 1992, nominally rated at 0.13 MMBtu/hr.

NSK Precision America, Inc. Plant
(b) Natural gas-fired combustion sources with heat input equal to or less than ten million (10,000,000) Btu per hour:
(1) One (1) natural gas-fired emergency stand-by generator, constructed in 1994, nominally rated at 0.13 MMBtu/hr.

Pollutants with Emission Limits or Applicable Standards:

☐ SO_2 ☐ NO_X ☐ CO ☐ VOC ☐ PM ☐ PM_{10} ☐ $PM_{2.5}$ ☒ HAPS

Applicable Rule:

40 CFR 63, Subpart ZZZZ

Applicability Information:

Operating a stationary RICE at an area source of HAPs.

Requirement:	Applicable	Violation Noted
Emission Limitations/Standards	☒ Yes ☐ No	☐ Yes ☒ No
Work Practice/Operating Requirements	☒ Yes ☐ No	☐ Yes ☒ No
Compliance Monitoring Requirements	☒ Yes ☐ No	☐ Yes ☒ No
Testing Requirements	☐ Yes ☒ No	☐ Yes ☐ No
Record Keeping Requirements	☒ Yes ☐ No	☐ Yes ☒ No
Types of Records Reviewed: Hours of use Maintenance operations		
Reporting Requirements	☒ Yes ☐ No	☐ Yes ☒ No
Preventive Maintenance Plan [326 IAC 1-6-3]	☒ Yes ☐ No	☐ Yes ☒ No

Observations and Comments:

The generator at the Precision plant is tested 0.5 hours per week on an automatic start, whereas the generator at the Hub plant is tested for 45 minutes per week using a remote start. Both units are tested on Mondays. The limit is 100 hours allowed for maintenance checks and readiness testing, and NSK operates significantly below said limit.
NSK performs yearly maintenance on the generator. Records of yearly maintenance checks were available on the day of inspection. Preventive maintenance is performed to ensure the engine is performing according to manufacturer's specifications.
According to the source, the generator is operated and maintained, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions.
The generators are equipped with non-resettable hour meters.
The generators have been used sporadically for emergency use on a couple of occasions since the last inspection.
According to the source, no power sharing is conducted.

Emission Unit or Control Device	*Parameter*	*Permitted Value/Range*	*Observation*
N/A			

Permit Section Compliance Status:

☒ No violations were observed or determined for this permit section at the time of the inspection.
☐ The following violations were determined for this permit section at the time of the inspection:

ADDITIONAL SOURCE COMPLIANCE REVIEW:

The following reports are required and were reviewed:

ADDITIONAL SOURCE COMPLIANCE REVIEW:	
☒ Annual Compliance Certification(s) ☒ Deviation & Compliance Monitoring Report(s) ☐ Annual Notification(s) ☐ Emission Statement(s)	
The reports are consistent with inspection observations.	☒ Yes ☐ No ☐ N/A
The permit accurately represents emission units observed on site.	☒ Yes ☐ No ☐ N/A
Compliance assistance was provided during the inspection.	☐ Yes ☒ No ☐ N/A
The source is required to have a Risk Management Plan [40 CFR 68].	☐ Yes ☒ No
If yes, the source has a plan.	☐ Yes ☐ No ☒ N/A
If yes, the employees have been trained.	☐ Yes ☐ No ☒ N/A
Additional Information and Comments:	
Additional Source Compliance Review Status:	
☒ No violations were observed or determined for this permit section at the time of the inspection. ☐ The following violations were determined for this permit section at the time of the inspection:	

INSPECTION FINDINGS	
☒ No violations were observed or determined at the time of the inspection. ☐ The following violations were determined at the time of the inspection:	
RECOMMENDED ACTION	Issue inspection summary letter.
EXIT INTERVIEW	I explained my findings, recommendations, and conclusions with Mr. Miers, Mr. Smelley, and the others prior to exiting the facility.