



ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

1021 NORTH GRAND AVENUE EAST, P.O. BOX 19276, SPRINGFIELD, ILLINOIS 62794-9276 • (217)782-3397

BRUCE RAUNER, GOVERNOR

ALEC MESSINA, DIRECTOR

ID:031600QKI
MAT Asphalt, LLC.
Docuware Code #1

TIER I INSPECTION

Date:	August 13, 2018	Date of Inspection:	August 8, 2018
To:	Ron Robeen	Last Inspection Date:	July 26, 2018
From:	Gopi Ramanathan <i>GR</i>	ID#:	031600QKI
Source:	MAT Asphalt, LLC.,	R/D:	1-15
Address:	2055 West Pershing Avenue	SIC#:	2951
City/Zip:	Chicago, IL 60609		
Contact/ Title:	Joe Haughey, Plant Manager	Contact Phone/Cell:	773-577-7000 773-617-0789 (Cell)
Purpose of Inspection:	To investigate two citizen complaints received on this facility on odors: Complaint ID#: A2018-0801-004 and A2018-0803-001		
PERMIT(S):			
Permit No.	Type	Issued	Expires*
17070024	Construction Permit	10/26/2017	N/A
			Unit Hot Mix Asphalt Plant STATE OF ILLINOIS AUG 21 2018
*Valid for 1 year from date of start-up.			

Complaint Investigation: Complaint Numbers: A2018-0801-004; A2018-0803-001

Joe Haughey, Plant Manager for the facility was contacted. The author discussed the Citizen complaints received by the Agency. The complaint received by the Agency indicated that the source was causing strong smell of Asphalt type odors from their operations and factory emissions. Haughey indicated that the source was in production those two days, but the odor was not from this Asphalt cement manufacturing plant. He indicated that the roads in their plant vicinity were getting paved those two days and the odors could have been from the paving job. On August 1st the plant produced 599.5 tons of N50 Poly Sand Mix-525575, Surface Hot Mix Asphalt and it was used for paving the roads in the neighborhood. The paving

IEPA-DIVISION OF RECORDS MANAGEMENT
RELEASABLE

OCT 03 2018

REVIEWER: EMI

4302 N. Main St., Rockford, IL 61103 (815)987-7760
595 S. State, Elgin, IL 60120 (847)608-6131
2125 S. First St., Champaign, IL 61820 (217)278-5800
2009 Mall St., Collinsville, IL 62234 (618)346-5120

9511 Harrison St., Des Plaines, IL 60016 (847)294-4000
412 SW Washington St., Suite D, Peoria, IL 61602 (309)671-5022
2309 W. Main St., Suite 116, Marion, IL 62959 (618)993-7200
100 W. Randolph, Suite 4-500, Chicago, IL 60601

was done by the MAT construction company and it was a CDOT (Chicago Department of Transportation) job.

On August 1st, MAT Asphalt produced 587 tons of Hot Mix Asphalt. Actual plant production started at 5:53 AM and made N70 Surface Mix till 6:23 AM. Then at 6:47 AM, the facility started production of N50 Ply Sand Mix-525575, Surface Hot Mix Asphalt for the road paving job on Damen Avenue. This production started at 6:47 AM and ended at 9:53 AM. The 599.5 tons of Hot Mix Asphalt produced at MAT Asphalt plant was paved on the roads in the same neighborhood. Pershing (39th street), and Damen Avenue. The paving job was done by MAT Construction crew starting from 7:30 AM till 3:30 PM that day. This contract was a CDOT – Chicago Department of Transportation Contract. The MAT Construction company trucks were obviously on the scene. They paved the entire stretch on Damen Avenue, from 39th street to 33rd street going North bound. So, the odors were from the road paving job, not from the plant production operations. A copy of their Production record for August 1st was available for review and the author obtained a copy of it.

On August 3rd, the facility produced 444.1 tons of N50 Poly Sand Hot Mix Asphalt 525575. From reviewing their production records, the facility started production at 5:44 AM and finished production of this product and the production for the day at 8:38 AM. On August 3rd, the street paving on Damen Avenue was again done between the hours of 7:00 AM and 3:00 PM. On August 3rd the paving was done on Damen Avenue going South bound from 33rd to 39th (Pershing Road). A copy of their production record for August 3rd was available for review and the author obtained a copy of it. On both days the roads paving job was taking place in the plant vicinity (complaints indicated Damen and Pershing (39th street) intersection) and very close to the plant and it caused the odors in the plant vicinity. Since the odors were not caused by the facility production process, it can be closed and no further action is needed at this time.

This inspection on August 8th was a scheduled inspection. The production information for the day was obtained from the facility in advance and it was approximately going to be 1650 Tons. Therefore, the author scheduled the inspection to observe the facility on a day when there is more production (typically the source was producing only around 400 to 500 tons per day) and the RAP (Recycled Asphalt Pavement) crushing operation was also scheduled. The source does not operate the crusher every day.

On August 8th the source produced a total of 1770 tons. Of this N50 Private binder for a parking lot paving was 1606 tons and 163.7 tons of N50 State binder. The production of Hot Mix Asphalt started at 6:03 AM and it was completed at 1:22 PM. The author was at the facility around 8:45 AM and observed their operations for approximately 3 hours and also drove to the site where the paving job was taking place and observed the parking lot that was getting paved with the product made at this facility.

Off-site surveillance: Prior to entering the facility, the author drove around the neighborhood at 8:15 AM while the plant was in operation making Hot Mix Asphalt. The author also drove close to the complainant's residences and no odors were experienced in those areas. The complainants were not contacted because in the complaint record, the item "Contact Complained" is marked as "no". There was no odor issue around the perimeter of the facility. It should be noted that there was no asphalt paving activity around the plant vicinity and the facility was in operation making Hot Mix Asphalt since 6:10 AM that morning.

The plant production process was observed between 8:45 AM and 11:45 AM. There were no visible emissions observed from the drum drier baghouse exhaust. There were some minimal fugitive emissions observed at the silo filling and truck loading emission points. These emissions were typical process fugitive emissions observed at other hot mix asphalt plant operations and dissipated in few feet and it was very minimal. No opacity readings were taken since it was under 10% opacity. No strong asphalt type odors were experienced around the drum drier or other emission points.

The Crusher was also observed in operation during this inspection. The RAP- Recycled Asphalt Pavements crushing was taking place and the crushed material was getting transferred by conveyors on to two piles, one for CRAP-Coarse Recycled Asphalt Pavement pile and another for FRAP-Fine Recycled Asphalt Pavement pile. There was water spray in use at the feed hopper where the RAP- material was getting fed to the Crusher. The material was wet enough and no Visible Emissions were observed at these emission points. The moisture content records were reviewed. The FRAP material moisture content was 2.9% and the CRAP material moisture content was 2.1%. The permit requirement is at a minimum 1.5%.

After the site inspection the author drove to the parking lot at the intersection of Racine and Pershing Road, where the paving job was taking place. The author observed the operation from a bridge approximately 200 feet away from the job. Some minimal typical asphalt paving odors were felt. Then the author concluded this inspection.

Conclusion:

This inspection was conducted to investigate two citizen complaints received by the Agency on August 1st and August 3rd on odors emitted from the same facility and in the proximity of MAT Asphalt, LLC., The asphalt type odors were emitted from a street paving job done on those two days and was not from the plant production operation. On the day of this inspection, on August 8, 2018, the facility has had one of their highest production days and the operations were observed on a day when the actual production was 1770 tons. All their operations were observed and no odors were experienced from their production process. The operations were normal and no visible PM emissions were observed during this inspection and observations of their operations indicated no apparent violations.

Attachments? X Yes No

If yes, then list Table of Attachments

1. Complaint records for A-2018-0801-004 and A2018-0803-001
2. Production records for August 1st, August 3rd and August 8th.

GR/gr

cc: R. Robeen/Central File/BOA
BOA Des Plaines Regional File



Illinois EPA FOIA Exemption Reference Sheet

SID: 67653

Agency ID: 170002238816

Media File Type: AIR

Bureau ID: 031600QKI

Site Name: MAT Asphalt LLC

Site Address1: 2055 W Pershing Ave

Site Address2:

Site City: Chicago

State: IL

Zip: 60609-

**This record has been determined to
be partially or wholly exempt from
public disclosure**

Exemption Type:

Redaction

Exempt Doc #: 4

Document Date: 8 /8 /2018

Staff: EMI

Document Description: TIER I INSPECTION PACKET -- COMPLAINT/INCIDENT RECORDS (8/1, 8/3, 8/12/18)

Category ID: 01

Category Description: FIELD OPERATIONS/INSPECTIONS

Exempt Type: Redaction

Permit ID:

Date of Determination: 10/3 /2018

Illinois Environmental Protection Agency Bureau of Air Complaint/Incident Record	Complaint No.: A2018-0801-004 ID No.: 031600QKI Alternate ID No.: None Received by: EPA.Pollution.Complaints Date: August 1, 2018 Time: 8:42 AM Received Via: <input type="checkbox"/> Phone <input type="checkbox"/> Mail <input type="checkbox"/> USEPA <input type="checkbox"/> BOL <input type="checkbox"/> BOW <input type="checkbox"/> OER <input checked="" type="checkbox"/> Other: Email
Suspect Source Information Name: MAT Asphalt, LLC. Address: 2055 West Pershing Avenue City, County: Chicago, Cook State, Zip: IL, 60609 Tel. No.: 773-577-7000	Complainant Information Name: [REDACTED] Email: [REDACTED] Address: [REDACTED] City, County: [REDACTED] Zip: State: [REDACTED] Tel. No.: [REDACTED] Return call requested: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Directions to Source: Pershing road and Damen intersection.

Type of Complaint/Incident: Odor ☒ Open Burning ☐ Fugitive Dust ☐ Asbestos ☐ Other ☐ Noise

Problem-description: Complainant states: "Strong smell of asphalt & Toxic taste in my mouth from asphalt factory emissions. Cannot breathe or walk my dog at McKinley Park. Concerned for my well being & air quality also have minor child & concerned if this will cause cancer. 8 am August 1.

Problem-timetable: 8:00 AM, August 1, 2018

Investigating Inspector: Gopi Ramanathan

Investigation Findings: Facility was inspected on August 8, 2018. Please refer to Tier 1 report dated August 13, 2018 for more information.

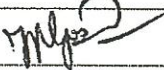
Complainant Contacted: Yes ☐ No ☒ Date _____

USEPA Contacted: Yes ☐ NA ☒ Name _____ Date _____

Final Disposition: Tier 1 Report ☒ NFA ☒ Tracking ☐ VN Recommended ☐

Referred to: N/A

SIGNATURES

Inspector Signature:		Date:	8/8/2018
Supervisory Approval:		Date:	

EPA-DIVISION OF RECORDS MANAGEMENT
RELEASABLE

OCT 03 2018

REVIEWER: EMI

Illinois Environmental Protection Agency Bureau of Air Complaint/Incident Record	Complaint No.: A2018-0803-001 ID No.: 031600QKI Alternate ID No.: None Received by: EPA.Pollution.Complaints Date: August 3, 2018 Time: 8:00 AM Received Via: <input type="checkbox"/> Phone <input type="checkbox"/> Mail <input type="checkbox"/> USEPA <input type="checkbox"/> BOL <input type="checkbox"/> BOW <input type="checkbox"/> OER <input checked="" type="checkbox"/> Other: Email
Suspect Source Information Name: MAT Asphalt, LLC. Address: 2055 West Pershing Avenue City, County: Chicago, Cook State, Zip: IL, 60609 Tel. No.: 773-577-7000	Complainant Information Name: [REDACTED] Email: [REDACTED] Address: [REDACTED] City, County: [REDACTED] Zip: State: [REDACTED] Tel. No.: [REDACTED] Return call requested: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Directions to Source:

Type of Complaint/Incident: Odor ☒ Open Burning ☐ Fugitive Dust ☐ Asbestos ☐ Other ☐ Noise

Problem-description: Complainant states: "Air quality worsened with putrid odor spreading from the plant over a mile away. Quality of life worse due the odor as it stinks up anytime you spend outside, the odor penetrates the interior of your home. Also as a runner I depend on clean breathable air when training for marathons; this plant is destructive to that process.

Problem-timetable: When MAT Asphalt LLC opened in 2018

Investigating Inspector: Gopi Ramanathan

Investigation Findings: Facility was inspected on August 8, 2018. See Tier 1 Inspection report dated August 13, 2018 for more information.


Complainant Contacted: Yes ☐ No ☒ Date _____

USEPA Contacted: Yes ☐ NA ☒ Name _____ Date _____

Final Disposition: Tier 1 Report ☒ NFA ☒ Tracking ☐ VN Recommended ☐

Referred to: N/A

SIGNATURES

Inspector Signature:		Date:	8/8/18
Supervisory Approval:		Date:	

Illinois Environmental Protection Agency Bureau of Air Complaint/Incident Record	Complaint No.: A2018-0812-001 ID No.: 031600QKI Alternate ID No.: None Received by: EPA.Pollution.Complaints Date: August 12, 2018 Time: 2:20 AM Received Via: <input type="checkbox"/> Phone <input type="checkbox"/> Mail <input type="checkbox"/> USEPA <input type="checkbox"/> BOL <input type="checkbox"/> BOW <input type="checkbox"/> OER <input checked="" type="checkbox"/> Other: Email
Suspect Source Information Name: MAT Asphalt, LLC. Address: 2055 West Pershing Avenue City, County: Chicago, Cook State, Zip: IL, 60609 Tel. No.: 773-577-7000	Complainant Information Name: Email: Address: City, County: Zip: State: Tel. No.: Return call requested: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Directions to Source:

Type of Complaint/Incident: Odor ☒ Open Burning ☐ Fugitive Dust ☐ Asbestos ☐ Other ☐ Noise

Problem-description: Complainant states: "Strong chemical/asphalt odor in area. Had to close window gave headache".

Problem-timetable: 2:00 AM

Investigating Inspector: Gopi Ramanathan

Investigation Findings: Facility was contacted regarding this odor complaint. The facility was not in operation on August 12th Sunday. Facility had no activity on site at that time at 2:00 AM on Sunday. Copy of the email received from the facility is attached.

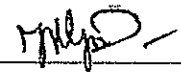
Complainant Contacted: Yes ☐ No ☒ Date _____

USEPA Contacted: Yes ☐ NA ☒ Name _____ Date _____

Final Disposition: Tier 1 Report ☐ NFA ☒ Tracking ☐ VN Recommended ☐

Referred to: N/A

SIGNATURES

Inspector Signature:		Date:	8/13/18
Supervisory Approval:		Date:	

Daily Totals Report for 08/01/18

Gencor

Manual			
Material Name	Material Description	Mix To Silo	Mix To Reject
Virgin Scale	Virgin Scale	86.4 Ton	22.2 Ton
Rap Scale	Rap Scale	47.9 Ton	3.8 Ton
Total		133.7 Ton	26 Ton

N50 37%PSC N50 Private Surface 29 3% ABR			
Material Name	Material Description	Mix To Silo	Mix To Reject
FRAP	3/16 Minus Rap	0 Ton	0 Ton
FM20	Hanson 028FM20	0.1 Ton	0 Ton
CM13	Hanson 022CM13	0.1 Ton	0 Ton
FM22	Hanson 038FM22	0.1 Ton	0 Ton
CRAP	5/8-3/16 Rap	0.1 Ton	0 Ton
Virgin Scale	Virgin Scale	0 Ton	0 Ton
Rap Scale	Rap Scale	0.1 Ton	0 Ton
Total		0.1 Ton	0 Ton

N50 4.75MM N50 4.75MM Poly Sand Mix 525575 (19510R-81BIT004X)			
Material Name	Material Description	Mix To Silo	Mix To Reject
AC		0 Ton	0.2 Ton
AC		33.6 Ton	0 Ton
FRAP	3/16 Minus Rap	159.3 Ton	6.9 Ton
FM20	Hanson 028FM20	204.9 Ton	7.8 Ton
RAS	Processed Shingles	27.2 Ton	1 Ton
Slag Sand	Slag Sand FM20	200.2 Ton	5.4 Ton
Virgin Scale	Virgin Scale	394.5 Ton	11.6 Ton
Rap Scale	Rap Scale	146.5 Ton	6.7 Ton
Total		599.5 Ton	19.4 Ton

N70 Pr SC N70 Private Surface			
Material Name	Material Description	Mix To Silo	Mix To Reject
AC		2.4 Ton	0.1 Ton
UltraFoam	UltraFoam GX	0.046 Ton	0.004 Ton
FRAP	3/16 Minus Rap	6.4 Ton	1.6 Ton
FM20	Hanson 028FM20	13.5 Ton	3.6 Ton
CM13	Hanson 022CM13	8.3 Ton	2.2 Ton
FM22	Hanson 038FM22	15.9 Ton	4.3 Ton
CRAP	5/8-3/16 Rap	7.2 Ton	1.8 Ton
Virgin Scale	Virgin Scale	36.6 Ton	8.1 Ton
Rap Scale	Rap Scale	13.6 Ton	3.6 Ton
Total		62.4 Ton	11.7 Ton

Page 1 of 2

08-01-2018 09:59:19

GAS
48051
49939

Bloc
1207
1216

3.5 hrs

CDOT
Paving
JOB

All			
Material Name - Material Description		Mix to Silo	Mix to Rejec
AC		2.4 Ton	0.3 Ton
AC		33.6 Ton	0 Ton
UltraFoam	UltraFoam GX	0.046 Ton	0.004 Ton
FRAP	3/16 Minus Rap	165.7 Ton	8.5 Ton
FM20	Hanson 028FM20	218.4 Ton	11.4 Ton
CM13	Hanson 022CM13	8.3 Ton	2.2 Ton
FM22	Hanson 038FM22	16 Ton	4.3 Ton
CRAP	5/8-3/16 Rap	7.3 Ton	1.8 Ton
RAS	Processed Shingles	27.2 Ton	1 Ton
Slag Sand	Slag Sand FM20	200.2 Ton	5.4 Ton
Virgin Scale	Virgin Scale	431.1 Ton	19.7 Ton
Rap Scale	Rap Scale	160.2 Ton	10.3 Ton
Total		652 Ton	31.1 Ton

Daily Totals Report for 08/03/18

Gencor

Manual			
Material Name	Material Description	Mix To Silo	Mix To Reject
Virgin Scale	Virgin Scale	0.9 Ton	0.1 Ton
Rap Scale	Rap Scale	85.6 Ton	46.9 Ton
Total		51.2 Ton	14.7 Ton
		136.2 Ton	61.4 Ton

N50 4 75MM			
N50 4 75MM Poly Sand Mix 525575 (19510R-81BIT004X)			
Material Name	Material Description	Mix To Silo	Mix To Reject
AC		24.9 Ton	0.5 Ton
FRAP	3/16 Minus Rap	115.9 Ton	6.3 Ton
FM20	Hanson 028FM20	149.2 Ton	8.2 Ton
RAS	Processed Shingles	20.2 Ton	0.9 Ton
MF	Mineral Fill	2 Ton	0 Ton
Slag Sand	Slag Sand FM20	143.6 Ton	7.9 Ton
Virgin Scale	Virgin Scale	290.2 Ton	16 Ton
Rap Scale	Rap Scale	108.5 Ton	6 Ton
Total		444.1 Ton	23.3 Ton

CDOT
Paving Job

All			
Material Name	Material Description	Mix To Silo	Mix To Reject
AC		24.9 Ton	0.5 Ton
FRAP	3/16 Minus Rap	115.9 Ton	6.3 Ton
FM20	Hanson 028FM20	149.2 Ton	8.2 Ton
RAS	Processed Shingles	20.2 Ton	0.9 Ton
MF	Mineral Fill	2 Ton	0 Ton
Slag Sand	Slag Sand FM20	143.6 Ton	7.9 Ton
Virgin Scale	Virgin Scale	290.2 Ton	16 Ton
Rap Scale	Rap Scale	108.5 Ton	6 Ton
Total		444.1 Ton	23.3 Ton

GAS

50460
51722

Bluc

1245
1251

Daily Totals Report for 08/08/18

Gencor

Manual			
Material Name	Material Description	Mix To Silo	Mix To Reject
		0 Ton	0.1 Ton
Virgin Scale	Virgin Scale	83.9 Ton	25.5 Ton
Rap Scale	Rap Scale	50.3 Ton	3.9 Ton
Total		133.6 Ton	29.3 Ton

N50 40%PBC N50 Private Binder 40%			
Material Name	Material Description	Mix To Silo	Mix To Reject
AC		50.9 Ton	0 Ton
UltraFoam	UltraFoam GX	1.26 Ton	0 Ton
CM11	Hanson 022CM11	314.5 Ton	0.8 Ton
FRAP	3/16 Minus Rap	325.7 Ton	0.8 Ton
FM20	Hanson 028FM20	285.1 Ton	0.7 Ton
FM22	Hanson 038FM22	317.1 Ton	0.8 Ton
CRAP	5/8-3/16 Rap	351.7 Ton	0.8 Ton
Virgin Scale	Virgin Scale	922.5 Ton	2.2 Ton
Rap Scale	Rap Scale	638.4 Ton	1.4 Ton
Total		1606.4 Ton	3.6 Ton

N50 S1 BC N50 State Binder 19521R-81BIT007X			
Material Name	Material Description	Mix To Silo	Mix To Reject
AC		6.3 Ton	0.1 Ton
CM11	Hanson 022CM11	37.3 Ton	2.1 Ton
FRAP	3/16 Minus Rap	26 Ton	1.5 Ton
FM20	Hanson 028FM20	30.4 Ton	1.8 Ton
FM22	Hanson 038FM22	41.7 Ton	2.4 Ton
CRAP	5/8-3/16 Rap	25 Ton	1.4 Ton
Virgin Scale	Virgin Scale	109.4 Ton	6.4 Ton
Rap Scale	Rap Scale	48.7 Ton	2.8 Ton
Total		163.7 Ton	9.2 Ton

All			
Material Name	Material Description	Mix To Silo	Mix To Reject
AC		57.2 Ton	0.1 Ton
UltraFoam	UltraFoam GX	1.26 Ton	0 Ton
CM11	Hanson 022CM11	351.8 Ton	2.9 Ton
FRAP	3/16 Minus Rap	351.7 Ton	2.3 Ton
FM20	Hanson 028FM20	315.6 Ton	2.4 Ton
FM22	Hanson 038FM22	358.8 Ton	3.1 Ton
CRAP	5/8-3/16 Rap	376.7 Ton	2.3 Ton

Virgin Scale	Virgin Scale	1031.9 Ton	8.6 Ton
Rap Scale	Rap Scale	687.1 Ton	4.2 Ton
Total		1770 Ton	12.8 Ton

Date: 08/01/18
Inspector: Ammar Modieh

MAT Asphalt Lab
Aggregate Moisture Content

MAT Asphalt Chicago
7084-01

Source Name:	
Source Number:	
Material Code:	RAS

Wet Weight=	
Dry Weight=	
Wt. Loss=	0.0
% Moisture=	#DIV/0!

Source Name:	
Source Number:	
Material Code:	SlagSand

Wet Weight=	699.6
Dry Weight=	660.1
Wt. Loss=	39.5
% Moisture=	6.0%

Source Name:	
Source Number:	
Material Code:	FM20

Wet Weight=	728.4
Dry Weight=	688.3
Wt. Loss=	40.1
% Moisture=	5.8%

Source Name:	
Source Number:	
Material Code:	FRAP

Wet Weight=	123.2
Dry Weight=	119.7
Wt. Loss=	3.5
% Moisture=	2.9%

Source Name:	
Source Number:	
Material Code:	CM13

Wet Weight=	
Dry Weight=	
Wt. Loss=	0.0
% Moisture=	#DIV/0!

Source Name:	
Source Number:	
Material Code:	FM22

Wet Weight=	135.6
Dry Weight=	130.0
Wt. Loss=	5.6
% Moisture=	4.3%

Source Name:	
Source Number:	
Material Code:	

Wet Weight=	
Dry Weight=	
Wt. Loss=	
% Moisture=	#DIV/0!

Source Name:	
Source Number:	
Material Code:	CRAP

Wet Weight=	125.6
Dry Weight=	123.0
Wt. Loss=	2.6
% Moisture=	2.1%

Source Name:	
Source Number:	
Material Code:	

Wet Weight=	
Dry Weight=	
Wt. Loss=	0.0
% Moisture=	#DIV/0!

Date: 08/03/18
Inspector: Ammar Modieh

MAT Asphalt Lab
Aggregate Moisture Content

MAT Asphalt Chicago
7084-01

Source Name:	
Source Number:	
Material Code:	RAS

Wet Weight=	114.0
Dry Weight=	98.9
Wt. Loss=	15.1
% Moisture=	15.3%

Source Name:	
Source Number:	
Material Code:	SlagSand

Wet Weight=	179.5
Dry Weight=	170.0
Wt. Loss=	9.5
% Moisture=	5.6%

Source Name:	
Source Number:	
Material Code:	FM20

Wet Weight=	125.6
Dry Weight=	118.2
Wt. Loss=	7.4
% Moisture=	6.3%

Source Name:	
Source Number:	
Material Code:	FRAP

Wet Weight=	102.6
Dry Weight=	99.9
Wt. Loss=	2.7
% Moisture=	2.7%

Source Name:	
Source Number:	
Material Code:	CM13

Wet Weight=	
Dry Weight=	
Wt. Loss=	0.0
% Moisture=	#DIV/0!

Source Name:	
Source Number:	
Material Code:	FM22

Wet Weight=	125.1
Dry Weight=	120.0
Wt. Loss=	5.1
% Moisture=	4.3%

Source Name:	
Source Number:	
Material Code:	

Wet Weight=	
Dry Weight=	
Wt. Loss=	
% Moisture=	#DIV/0!

Source Name:	
Source Number:	
Material Code:	CRAP

Wet Weight=	122.2
Dry Weight=	120.0
Wt. Loss=	2.2
% Moisture=	1.8%

Source Name:	
Source Number:	
Material Code:	

Wet Weight=	
Dry Weight=	
Wt. Loss=	0.0
% Moisture=	#DIV/0!

Date: 08/08/18
Inspector: Ammar Modieh

MAT Asphalt Lab
Aggregate Moisture Content

MAT Asphalt Chicago
7084-01

Source Name:	
Source Number:	
Material Code:	cm11

Wet Weight=	115.8
Dry Weight=	114.0
Wt. Loss=	1.8
% Moisture=	1.6%

Source Name:	
Source Number:	
Material Code:	SlagSand

Wet Weight=	
Dry Weight=	
Wt. Loss=	0.0
% Moisture=	#DIV/0!

Source Name:	
Source Number:	
Material Code:	FM20

Wet Weight=	122.2
Dry Weight=	114.6
Wt. Loss=	7.6
% Moisture=	6.6%

Source Name:	
Source Number:	
Material Code:	FRAP

Wet Weight=	120.0
Dry Weight=	116.5
Wt. Loss=	3.5
% Moisture=	3.0%

Source Name:	
Source Number:	
Material Code:	CM13

Wet Weight=	132.5
Dry Weight=	130.0
Wt. Loss=	2.5
% Moisture=	1.9%

Source Name:	
Source Number:	
Material Code:	FM22

Wet Weight=	125.7
Dry Weight=	121.9
Wt. Loss=	3.8
% Moisture=	3.1%

Source Name:	
Source Number:	
Material Code:	

Wet Weight=	
Dry Weight=	
Wt. Loss=	
% Moisture=	#DIV/0!

Source Name:	
Source Number:	
Material Code:	CRAP

Wet Weight=	120.5
Dry Weight=	117.9
Wt. Loss=	2.6
% Moisture=	2.2%

Source Name:	
Source Number:	
Material Code:	

Wet Weight=	
Dry Weight=	
Wt. Loss=	0.0
% Moisture=	#DIV/0!