



Magnesium Elektron, Inc.

Creating the Future of Zirconium Chemicals

500 Point Breeze Road
Flemington, NJ 08822-9111
Tel: (908) 782-5800
Fax: (908) 782-7768

RECEIVED
REGION 1

2003 AUG 27 PM 12:39

August 25, 2003

New Jersey Department of Environmental Protection
Division of Water Quality
Bureau of Permit Management
Monitoring Reports Unit
PO Box 029
Trenton, NJ 08625

Certified Mail Article Number 7000 0600 0024 7089 3031
Return Receipt Requested

To Whom It May Concern:

As required under the provisions of NJPDES Permit Number NJ0128911, please find the Quarterly Monitoring Report Form (SI8A SQAR – Filter Press) for the process wastewater sludge generated at Magnesium Elektron, Inc. manufacturing facility during April - June 2003.

Please contact me at (908)-782-5800 extension 1124, should you have any questions or require additional information.

Sincerely,

John F. Beaupre
Manager, Environmental Health and Safety Compliance

encl. Richard Croll, PADEP
USNRC

New Jersey Department of Environmental Protection
 Division of Water Quality
 Residuals DMR Submittal Form

PI 49324

NJPDES PERMIT	MONITORING PERIOD						MONITORED LOCATION:	
	Month	Day	Year	To	Month	Day		Year
NJ0128911	4	1	2003		6	30	2003	SI8A - SQAR -Filter Press

PERMITTEE:

MAGNESIUM ELEKTRON INC
 500 BARBERTOWN POINT BREEZE RD
 FLEMINGTON BORO, NJ 08822

LOCATION OF ACTIVITY:

MAGNESIUM ELEKTRON INC
 500 BARBERTOWN POINT BREEZE RD
 KINGWOOD, NJ 08822-0000

REPORT RECIPIENT:

MAGNESIUM ELEKTRON INC
 500 BARBERTOWN POINT BREEZE RD
 FLEMINGTON BORO, NJ 08822

REGION / COUNTY: Northern / Hunterdon County

CHECK IF APPLICABLE: No Discharge this Monitoring Period Monitoring Report Comments Attached

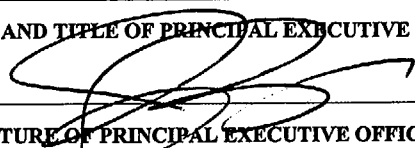
WHO MUST SIGN The highest ranking official having day-to-day managerial and operational responsibilities for the discharging facility shall sign the certification or, in his absence a person designated by that person. For a local agency, the highest ranking operator of the treatment works shall sign the certification. Where the highest ranking operator does not have the ability to authorize capital expenditures and hire personnel, a person having that responsibility or person designated by that person shall also sign the second certification at the bottom of this page. If the local agency has contracted with another entity to operate the treatment works, the highest-ranking official of the contracted entity shall sign the certification.

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments, and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and/or imprisonment, pursuant to N.J.A.C. 7:14A-6.9(B). The New Jersey Water Pollution Control Act provides for penalties up to \$50,000 per violation.

JOHN F. BEAUPRE

NAME AND TITLE OF PRINCIPAL EXECUTIVE OFFICER, AUTHORIZED AGENT, OR *LICENSED OPERATOR

GRADE AND REGISTRY NUMBER (IF APPLICABLE)



8/25/03 908-782-5800

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER, AUTHORIZED AGENT, OR *LICENSED OPERATOR

DATE

AREA CODE/PHONE NUMBER

**For a local agency where the highest ranking operator does not have the ability to authorize capital expenditures and hire personnel, a person having that responsibility or person designated by that person shall sign the following certification:*

I certify under penalty of law and in accordance with N.J.S.A. 58:10A-6F(5) that I have received and reviewed the attached discharge monitoring reports.

NAME AND TITLE

SIGNATURE

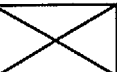
DATE

AREA CODE/PHONE NUMBER

Residuals DMK


PI 49324

PERMIT NUMBER: MONITORED LOCATION: MONITORING PERIOD: FACILITY NAME:
 NJ0128911 SI8A SQAR -Filter Press 4/1/2003 TO 6/30/2003 MAGNESIUM ELEKTRON INC

PARAMETER		QUANTITY OR LOADING		UNITS	QUALITY OR CONCENTRATION			UNITS	NO. EX.	FREQ. OF ANALYSIS	SAMPLE TYPE
Solids, Total 00500 18 Industrial Residuals	SAMPLE MEASUREMENT	*****	*****		*****	40.3	*****		1	1/QTR	COMPOS.
	PERMIT REQUIREMENT	*****	*****	*****	*****	REPORT 01MOAV	*****	%TS		1/Quarter	COMPOS
	MDL										
Radium 226, Total 09501 18 Industrial Residuals	SAMPLE MEASUREMENT	*****	*****		*****	6.0	*****		1	1/QTR	COMPOS.
	PERMIT REQUIREMENT	*****	*****	*****	*****	REPORT 01MOAV	*****	PCI/GRAM		1/Quarter	COMPOS
	MDL										
Molybdenum Dry Weight 78465 18 Industrial Residuals	SAMPLE MEASUREMENT	*****	*****		*****	< 1	*****		1	1/QTR	COMPOS.
	PERMIT REQUIREMENT	*****	*****	*****	*****	REPORT 01MOAV	*****	MG/KG		1/Quarter	COMPOS
	MDL										
Arsenic, Dry Weight 01003 18 Industrial Residuals	SAMPLE MEASUREMENT	*****	*****		*****	0.06	*****		1	1/QTR	COMPOS.
	PERMIT REQUIREMENT	*****	*****	*****	*****	REPORT 01MOAV	*****	MG/KG		1/Quarter	COMPOS
	MDL										
Selenium, Dry Weight 01148 18 Industrial Residuals	SAMPLE MEASUREMENT	*****	*****		*****	< 0.03	*****		1	1/QTR	COMPOS.
	PERMIT REQUIREMENT	*****	*****	*****	*****	REPORT 01MOAV	*****	MG/KG		1/Quarter	COMPOS
	MDL										
Zirconium, Total (as Zr) 01162 18 Industrial Residuals	SAMPLE MEASUREMENT	*****	*****		*****	65,620	*****		1	1/QTR	COMPOS.
	PERMIT REQUIREMENT	*****	*****	*****	*****	REPORT 01MOAV	*****	MG/KG		1/Quarter	COMPOS
	MDL										

Comments: If you have any questions on the monitoring report form, please contact the Bureau of Pretreatment and Residuals at (609) 633-3823.

PERMIT NUMBER: NJ0128911 MONITORED LOCATION: S18A SQAR -Filter Press MONITORING PERIOD: 4/1/2003 TO 6/30/2003 FACILITY NAME: MAGNESIUM ELEKTRON INC

PARAMETER		QUANTITY OR LOADING		UNITS	QUALITY OR CONCENTRATION			UNITS	NO. EX.	FREQ. OF ANALYSIS	SAMPLE TYPE
Copper, Dry Weight 46394 18 Industrial Residuals	SAMPLE MEASUREMENT	*****	*****		*****	1.4 9.2 ₃₈	*****		1	1/QTR	COMPOS.
	PERMIT REQUIREMENT	*****	*****	*****	*****	REPORT 01MOAV	*****	MG/KG		1/Quarter	COMPOS
	MDL										
Beryllium Dry Weight 61524 18 Industrial Residuals	SAMPLE MEASUREMENT	*****	*****		*****	∅.97	*****		1	1/QTR	COMPOS.
	PERMIT REQUIREMENT	*****	*****	*****	*****	REPORT 01MOAV	*****	MG/KG		1/Quarter	COMPOS
	MDL										
Cadmium, Dry Weight 61527 18 Industrial Residuals	SAMPLE MEASUREMENT	*****	*****		*****	∅.5∅	*****		1	1/QTR	COMPOS.
	PERMIT REQUIREMENT	*****	*****	*****	*****	REPORT 01MOAV	*****	MG/KG		1/Quarter	COMPOS
	MDL										
Zinc, Dry Weight 78467 18 Industrial Residuals	SAMPLE MEASUREMENT	*****	*****		*****	7.22	*****		1	1/QTR	COMPOS.
	PERMIT REQUIREMENT	*****	*****	*****	*****	REPORT 01MOAV	*****	MG/KG		1/Quarter	COMPOS
	MDL										
Lead, Dry Weight 78468 18 Industrial Residuals	SAMPLE MEASUREMENT	*****	*****		*****	14	*****		1	1/QTR	COMPOS.
	PERMIT REQUIREMENT	*****	*****	*****	*****	REPORT 01MOAV	*****	MG/KG		1/Quarter	COMPOS
	MDL										
Nickel, Dry Weight 78469 18 Industrial Residuals	SAMPLE MEASUREMENT	*****	*****		*****	4.6	*****		1	1/QTR	COMPOS.
	PERMIT REQUIREMENT	*****	*****	*****	*****	REPORT 01MOAV	*****	MG/KG		1/Quarter	COMPOS
	MDL										

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Residuals DMK

PI 43324

PERMIT NUMBER:

MONITORED LOCATION:

MONITORING PERIOD:


FACILITY NAME:

NJ0128911

SI8A SQAR -Filter Press

4/1/2003 TO 6/30/2003

MAGNESIUM ELEKTRON INC

PARAMETER		QUANTITY OR LOADING		UNITS	QUALITY OR CONCENTRATION			UNITS	NO. EX.	FREQ. OF ANALYSIS	SAMPLE TYPE
Mercury, Dry Weight	SAMPLE MEASUREMENT	*****	*****		*****	Ø.Ø78	*****		1	1/QTR	COMPOS.
78471 18 Industrial Residuals	PERMIT REQUIREMENT	*****	*****	*****	*****	REPORT 01MOAV	*****	MG/KG		1/Quarter	COMPOS
	MDL										
Chromium, Dry Weight	SAMPLE MEASUREMENT	*****	*****		*****	9.2	*****		1	1/QTR	COMPOS.
78473 18 Industrial Residuals	PERMIT REQUIREMENT	*****	*****	*****	*****	REPORT 01MOAV	*****	MG/KG		1/Quarter	COMPOS
	MDL										
Uranium, Total	SAMPLE MEASUREMENT	*****	*****		*****	SEE BELOW	*****		1	1/QTR	COMPOS.
22708 18 Industrial Residuals	PERMIT REQUIREMENT	*****	*****	*****	*****	REPORT 01MOAV	*****	PCI/GRAM		1/Quarter	COMPOS
	MDL										
Thorium 232 PCI/G of Dry Solids	SAMPLE MEASUREMENT	*****	*****		*****	6.1	*****		1	1/QTR	COMPOS.
26631 18 Industrial Residuals	PERMIT REQUIREMENT	*****	*****	*****	*****	REPORT 01MOAV	*****	PCI/GRAM		1/Quarter	COMPOS
	MDL										
Lab Certification #	SAMPLE MEASUREMENT	TOWNLEY 2ØØ71	STL NO ØØ2		PTL N/A						
99999 99 Lab	PERMIT REQUIREMENT	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #			Not Applic	NOT AP
	MDL										

COMMENTS: ZIRCONIUM MEASURED BY PTL - NO CURRENT CERTIFICATION EXISTS FOR THIS PARAMETER - CONFIRMED BY CHRIS BOLKA

- RADIOACTIVITY ANALYSIS PERFORMED ON WET WEIGHT BASIS

- URANIUM 238 38.9 +/- 5.3
- URANIUM 234 41.6 +/- 5.9
- URANIUM 235 2.46 +/- 0.98

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