

Chris LaRocque

From: Branden Brickles <b.brickles@gotion.com>
Sent: Friday, August 16, 2024 4:18 PM
To: Yogita Merai; Sahim Alhaddadin; Mohamad Ali Zeitoun
Cc: Chris LaRocque
Subject: RE: Gotion Emergency Action Plan (1132002)
Attachments: B&F emergency plan review.pdf

Signed as requested.

Branden Brickles
E: b.brickles@gotion.com T: +1 586 428 7235
333 South Spruce St., Manteno, IL 60950



From: Yogita Merai <YMerai@bfccs.org>
Sent: Friday, August 16, 2024 2:25 PM
To: Sahim Alhaddadin <s.alhaddadin@gotion.com>; Mohamad Ali Zeitoun <m.zeitoun@gotion.com>; Branden Brickles <b.brickles@gotion.com>
Cc: clarocque@villageofmanteno.com
Subject: Gotion Emergency Action Plan (1132002)

CAUTION: This email originated from outside of Gotion. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Good Day Sahim,

We have received the **Gotion Emergency Action Plan** project located at 333 South Spruce Street for code review from **Village of Manteno**.

Attached, you will find our Payment Responsibility form. Please review, sign, and return the completed form via email. This form must be submitted to us before we can begin the review process.

Additionally, I have attached our invoice for plan review services. Please provide payment of this invoice before we can release the completed review.

We offer two payment options:

- Credit card payments can be made over the phone, with an additional 4% administrative fee.
- Alternatively, you can mail us a check.

Please note that our initial fee estimates include up to three reviews. Any reviews beyond the third will incur additional charges.

If you have any questions, please feel free to contact me. Thank you.

Regards,

Yogita Merai
Finance Assistant (Part Time)
B & F Construction Code Services, Inc.
2420 Vantage Drive, Elgin, IL 60124
Phone: (847) 428-7010 | Fax: (847) 428-3151 | www.ConstructionCodes.com

Chris LaRocque

From: Yogita Merai <YMerai@bfccs.org>
Sent: Monday, August 19, 2024 9:01 AM
To: Branden Brickles; Sahim Alhaddadin; Mohamad Ali Zeitoun
Cc: Chris LaRocque
Subject: RE: Gotion Emergency Action Plan (1132002)

Received, thank you Branden. We will start working on the plan review. Please note, payment of our invoice is required before we can release the completed plan review report.

We accept credit card payments over the phone or you can mail us a check. There is an additional 4% *administrative fee* for all credit card payments.

Please let me know if you have any questions. Thank you.

Regards,

Yogita Merai
Finance Assistant (Part Time)
B & F Construction Code Services, Inc.
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Good Day Sahim,

We have received the **Gotion Emergency Action Plan** project located at 333 South Spruce Street for code review from **Village of Manteno**.

Chris LaRocque

From: Chris LaRocque
Sent: Tuesday, August 20, 2024 8:42 AM
To: Plan Review
Subject: FW: Emergency response plan
Attachments: Emergency Action Plan rev1.1.doc; Emergency Action Plan appendix attachments.pdf; Fire Panel Protocol.doc.pdf

Attached is an updated EAP for the Gotion project #1132002. Thanks.

Chris LaRocque

Administrator

Village of
Manteno

98 East Third Street
Manteno, IL 60950
815-929-4842

From: Branden Brickles <b.brickles@gotion.com>
Sent: Tuesday, August 20, 2024 8:03 AM
To: Chris LaRocque <clarocque@villageofmanteno.com>
Cc: Sahim Alhaddadin <s.alhaddadin@gotion.com>; Scott O'Brian - Manteno Community Fire Protection District (sobrien@mantenofire.com) <sobrien@mantenofire.com>
Subject: FW: Emergency response plan

Chris – more updates – I think you should share them with B&F – as you have them reviewing as well.

I believe this finalizes Scott's comments per Sahim.

Branden Brickles
E. b.brickles@gotion.com T +1 586 428 7235
333 South Spruce St , Manteno, IL 60950



From: Sahim Alhaddadin <s.alhaddadin@gotion.com>
Sent: Tuesday, August 20, 2024 8:01 AM
To: Scott O'Brien <sobrien@mantenofire.com>
Cc: Branden Brickles <b.brickles@gotion.com>
Subject: Emergency response plan

Good Morning Chief Scott

Please see revised plan as discussed yesterday, I extracted the appendix pages and added them in the attachments.

Chris LaRocque

From: Plan Review <planreview@bfccs.org>
Sent: Tuesday, August 20, 2024 9:43 AM
To: Chris LaRocque
Subject: RE: Emergency response plan

Received and we will add to the file.

Thank you,
Joanne Ward
Administrative Assistant
B & F Construction Code Services, Inc.
2420 Vantage Drive. Elgin IL, 60124
847-428-7010 Main | 847-428-3151 Fax | constructioncodes.com

INSPECTION REQUESTS CAN BE DONE ONLINE.

Please click to schedule an inspection: [Inspection Request — B&F Construction Code Services, Inc.](#)

Send plan review requests to: planreview@bfccs.org

To ensure timely receipt, please send inspection requests by 3:00pm the day prior to service**

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815-929-4842

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333 South Spruce St , Manteno, IL 60950



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Subject: Emergency response plan

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Regards

Sahim (Sam) Alhaddadin

Environmental Health Safety Manager , EHS Dept

E: s.alhaddadin@gotion.com T: +1 708 314 0205

333 South Spruce street, Manteno,IL, 60950



Chris LaRocque

From: Chris LaRocque
Sent: Tuesday, August 20, 2024 10:03 AM
To: Branden Brickles
Cc: Sahim Alhaddadin; Scott O'Brian - Manteno Community Fire Protection District (sobrien@mantenofire.com)
Subject: RE: Emergency response plan

It was forwarded to B&F today.

Chris LaRocque
Administrator

Village of 
Manteno
98 East Third Street
Manteno, IL 60950
815-929-4842

From: Branden Brickles <b.brickles@gotion.com>
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Sent: Tuesday, August 20, 2024 8:01 AM
To: Scott O'Brien <sobrien@mantenofire.com>
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Subject: Emergency response plan

Good Morning Chief Scott

Please see revised plan as discussed yesterday, I extracted the appendix pages and added them in the attachments.

Manteno, IL 60950
815-929-4842

From: Plan Review <planreview@bfccs.org>
Sent: Wednesday, September 4, 2024 10:01 AM
To: Chris LaRocque <clarocque@villageofmanteno.com>
Cc: s.alhaddadin@gotion.com
Subject: 1132002 - Gotion - Emergency Action Plan @ 333 South Spruce Street, Manteno, IL

Good Day,

We have completed the plan review for Gotion - Emergency Action Plan located at 333 South Spruce Street, Manteno, IL.

The Project number 1132002.

Thank you,
Jean Michels
Administrative Assistant
B & F Construction Code Services, Inc.
2420 Vantage Drive. Elgin IL, 60124
847-428-7010 Main | 847-428-3151 Fax | constructioncodes.com

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From: Chris LaRocque <clarocque@villageofmanteno.com>
Sent: Thursday, September 5, 2024 9:20 AM
To: Plan Review <planreview@bfccs.org>
Subject: RE: 1132002 - Gotion - Emergency Action Plan @ 333 South Spruce Street, Manteno, IL

Thanks. Sean mentioned yesterday that the chemical reviews were close to be completed. Will we be getting those today?

Chris LaRocque

Administrator



98 East Third Street
Manteno, IL 60950
815-929-4842

From: Plan Review <planreview@bfccs.org>
Sent: Wednesday, September 4, 2024 10:01 AM
To: Chris LaRocque <clarocque@villageofmanteno.com>
Cc: s.alhaddadin@gotion.com
Subject: 1132002 - Gotion - Emergency Action Plan @ 333 South Spruce Street, Manteno, IL

Good Day,

We have completed the plan review for Gotion - Emergency Action Plan located at 333 South Spruce Street, Manteno, IL.

The Project number 1132002.

Thank you,
Jean Michels
Administrative Assistant
B & F Construction Code Services, Inc.
2420 Vantage Drive. Elgin IL, 60124

Chris LaRocque

From: Chris LaRocque
Sent: Wednesday, September 4, 2024 11:17 AM
To: Scott Obrien
Subject: FW: 1132002 - Gotion - Emergency Action Plan @ 333 South Spruce Street, Manteno, IL
Attachments: 1132002 9-4-2024.pdf

FYI – EAP review.

Chris LaRocque
Administrator

Village of 
Manteno
98 East Third Street
Manteno, IL 60950
815-929-4842

From: Plan Review <planreview@bfccs.org>
Sent: Wednesday, September 4, 2024 10:01 AM
To: Chris LaRocque <clarocque@villageofmanteno.com>
Cc: s.alhaddadin@gotion.com
Subject: 1132002 - Gotion - Emergency Action Plan @ 333 South Spruce Street, Manteno, IL

Good Day,

We have completed the plan review for Gotion - Emergency Action Plan located at 333 South Spruce Street, Manteno, IL.

The Project number 1132002.

Thank you,
Jean Michels
Administrative Assistant
B & F Construction Code Services, Inc.
2420 Vantage Drive. Elgin IL, 60124
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Office & Shipping:
2420 Vantage Drive
ELGIN, IL 60124

CORRESPONDENCE:
P.O. BOX 5178
ELGIN, IL 60121-5178

B&F CONSTRUCTION CODE SERVICES, INC.
Building & Fire Protection Plan Review
Training • Inspections • Code Consulting

Phone (847) 428-7010
Fax (847) 428-3151
constructioncodes.com

September 4, 2024

To Whom It May Concern
Village of Manteno
98 East Third Street
Manteno, IL 60950

RE: **Gotion – Emergency Action Plan**
333 South Spruce Street, Manteno, IL
Project No. 1132002

To Whom It May Concern,

The plans and/or documents submitted were reviewed for compliance based on the codes and ordinances adopted by your municipality as listed on the following pages.

Based on the information submitted, these plans **DO NOT COMPLY** with the applicable code(s). Our report(s) identify areas of non-compliance followed by the applicable code and section referenced for the following disciplines:

Building Review No.	_____	Zoning Review No.	_____
Electrical Review No.	_____	Single Family Review No.	_____
Energy Review No.	_____	Single Family Solar Review No.	_____
Mechanical Review No.	_____	Fire Alarm Review No.	_____
Plumbing Review No.	_____	Sprinkler Review No.	_____
Accessibility Review No.	_____		
Fire Code Review No.	1		
NFPA 101 Review No.	_____		
Hood & Duct Review No.	_____		

This review is limited to a review of the information submitted and no responsibility is implied or accepted for results of construction. Failure to identify a code violation does not relieve the owner of the obligation to compliance. Final construction and installations must be in conformance with the code. Only authority having jurisdiction may grant approval for permit issuance.

Please read all comment letters thoroughly. For specific questions related to each comment letter, please review the last page and contact the respective plan reviewer.

Sincerely,



Peter Tutanes
Technical Advisor & Building Plans Examiner

Report Processed By: cb

CC: s.alhaddadin@gotion.com

Service With Integrity

Member
ICC NFPA IFIA

September 4, 2024

FIRE CODE PLAN REVIEW NO. 1

PROJECT NAME: Gotion EV Battery Giga Factory – Emergency Action Plan
PROJECT NUMBER: 1132002
LOCATION: 333 South Spruce Street, Manteno, IL
CODE REFERENCED: 2024 International Fire Code

These plans **DO NOT COMPLY** with the above applicable code. Please refer to the following comments to identify areas of non-compliance. Each comment references the appropriate code section(s).

Revised documents and specifications must be re-submitted including a written response stating the corrective action taken corresponding to the appropriate comment number.

This project was reviewed based on the following criteria:

Occupancy Type: F-1

This review is based on the documents received on August 9, 2024 – revised on August 19, 2024.

Note: The Emergency Action (EAP) as presented contains some parts that are incomplete, repetitive, requires clarification and appears somewhat disorganized. The following is a partial list based on the information provided. Additional comments should be expected once further information has been supplied.

Note: It is essential that the emergency action plan developed be site specific with respect to emergency conditions evaluated, evacuation policies and procedures, emergency reporting mechanisms, and alarm systems.

Note: This report is based on the 2024 ICC® International Fire Code and does not include additional requirements of other organization or government bodies such as OSHA.

Note: No Fire Command Center is indicated. Occupancies of a F1 type with an area greater than five hundred thousand square feet (500,000 ft²) requires a dedicated area for fire ground operations or a Fire Command Center to comply with Section 508 of the International Fire Code. This may be part of the future buildouts and should be reflected in the EAP.

Note: This report is to analyses the first (1st) phase.

1. The EAP shall clearly state which procedures pertain to the detection of a fire or possible fire involving lithium-ion or lithium metal battery storage.

Section 320.3

Gotion – Emergency Action Plan
Project Number: 1132002
Fire Code Plan Review No. 1
September 4, 2024

2. Provide the fire protection system plans that conform to the EAP provisions mentioned previously.

Section: 320.3

3. A technical opinion and report complying with section 104.2.2 shall be prepared to evaluate the fire and explosion risks associated with the storage area and to make recommendations for fire and explosion risks and protection. The report shall be submitted to the fire code official and shall require the fire codes officials' approval prior to issuance of permit. The report shall include the following:

- a. The potential for deflagration of flammable gases released during a thermal runaway event.
- b. The basis of design of the sprinkler system based on full scale testing or other approved means.

The report submitted does not qualify to cover the required topics.

Section: 320.4.2.1

4. Clarify what portions of the EAP are part of the required training for new staff, annual training, and what parts are the additional reference information.

Section: 106.2, 406

5. The preferred means and any alternative or secondary means of notifying occupants of a fire shall be clearly stated. The preferred means shall give a clear and precise description of the procedure to be utilized. Alternative procedure shall include any phone numbers, names and what information shall be transmitted.

Section: 404.2.1 (7-9)

6. Identification and assignment of personal who can be contacted for further information shall be indicated as part the procedure or note how this information shall be published and distributed.

Section: 404.2.1 (9)

7. Description of emergency/voice communication system and preprogrammed messages shall be part of the EAP and training.

Section: 404.2.1 (10)

8. Procedure for mitigating thermal runaway of the battery shall be included. These measures shall include activities undertaken to prevent thermal runaway, disconnection of charging and testing equipment, early detection procedures (Vesda Instructions), etc. and measures to be undertaken to limit the size and impact of an event.

Section: 403.10.6.1

Gotion – Emergency Action Plan
Project Number: 1132002
Fire Code Plan Review No. 1
September 4, 2024

9. Floor plans shall be part of the EAP and posted at strategic locations that clearly identify primary and secondary evacuation routes. Site plans shall include assembly point locations.

Section: 404.2.2

10. Provide a description of required drills per section 405 and their frequency.

Section: 405

11. Provide procedures for employees that might remain in place to operate and shut down critical equipment. Provide details about the training and responsibilities of said staff.

Section: 404.2.1

12. Some procedures mention staff protecting in place. This egress design option does not appear to be reflected in the building design. The utilization of protect in place, partial evacuation, or relocation for the egress design is not typically utilized in the design of storage and factory occupancies. It is unclear what impact these procedures would have on the design of the facility.

Section: Chapter 10

13. As indicated on page 7 of the EAP, Poison Control is listed with its phone number. For all pertinent agencies (Fire, Police, internal management, etc.) the contact names and phone number shall be listed within the EAP.

Section: 106.2

14. Multiple pages of the EAP make reference to initiating the fire alarm by means of a manual pull station. With the exception of the security area, no other pull stations appear to exist. Any reference to features of the building that do not exist shall be removed from the report. Note that no fire alarm plans have been reviewed at this time.

Section: 106.2.1

15. The EAP shall act as the instruction set during an emergency. When the EAP states a procedure, it shall be followed by a set of actions that is the official or accepted way of doing said task, or a series of actions that are done in a certain way or order shall be described. They are to be thorough and complete allowing for any of the trained staff to complete the instructions without additional assistance or instruction.

Section: 404

16. While the EAP serves as the accumulation of all information needed during an emergency in many instances sections may be made available for easy reference for specific emergency plans for easier reference. The operator should consider if the final publication will be unwieldy to utilize during an emergency and if instructions should be reproduced for easy reference (for instance a section for tornado be printed stand-alone). As presented the information does not easily flow or easy to reference.

Section: 404

Gotion – Emergency Action Plan
Project Number: 1132002
Fire Code Plan Review No. 1
September 4, 2024

17. Provide a response letter and cloud and highlight changes made to the document. Additional review comments are possible based upon responses to review items.

Section: 105.4.2

For questions concerning the items in this review contact Michael Nykaza.

Please Note:

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To: Plan Review <planreview@bfccs.org>

Subject: RE: 1132002 - Gotion - Emergency Action Plan @ 333 South Spruce Street, Manteno, IL

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Chris LaRocque

Administrator

<image002.png>

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Manteno, IL 60950

815-929-4842

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Sent: Wednesday, September 4, 2024 10:01 AM

To: Chris LaRocque <clarocque@villageofmanteno.com>

Cc: s.alhaddadin@gotion.com

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