

Chris LaRocque

From: Chris LaRocque
Sent: Thursday, September 5, 2024 9:44 AM
To: Russell Sayre; Branden Brickles
Subject: Gotion chemical reviews

Can you reach out to B&F and get this taken care of so we can get the review completed? Thanks.

Chris LaRocque
Administrator

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

From: Plan Review <planreview@bfccs.org>
Sent: Thursday, September 5, 2024 9:42 AM
To: Chris LaRocque <clarocque@villageofmanteno.com>
Subject: RE: 1132002 - Gotion - Emergency Action Plan @ 333 South Spruce Street, Manteno, IL

Good Day,

We are waiting on payment for this review. Until they send over payment responsibility letter signed we will not start working on this project.

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

Please Note:

INSPECTION REQUESTS CAN BE DONE ONLINE.

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**

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

From: Chris LaRocque
Sent: Friday, September 6, 2024 8:45 AM
To: Plan Review
Cc: Sean Fallows
Subject: RE: 1132002 - Gotion - Emergency Action Plan @ 333 South Spruce Street, Manteno, IL

Gotion checked with you guys yesterday and was told all the review fees are paid. Can we get the chemical review results?

Chris LaRocque
Administrator

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

From: Plan Review <planreview@bfccs.org>
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To: Plan Review <planreview@bfccs.org>
Subject: RE: 1132002 - Gotion - Emergency Action Plan @ 333 South Spruce Street, Manteno, IL

Chris LaRocque

From: Chris LaRocque
Sent: Friday, September 6, 2024 8:46 AM
To: Russell Sayre
Cc: Branden Brickles
Subject: RE: Gotion chemical reviews

I will follow up with them.

Chris LaRocque
Administrator

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

From: Russell Sayre <r.sayre@gotion.com>
Sent: Friday, September 6, 2024 8:42 AM
To: Chris LaRocque <clarocque@villageofmanteno.com>
Cc: Branden Brickles <b.brickles@gotion.com>
Subject: Re: Gotion chemical reviews

Chris,

I just spoke with B&F and they are telling me all review fee's are paid. Please advise?

Thanks,
Cole
502-229-6489

On Sep 5, 2024, at 9:43 AM, Chris LaRocque <clarocque@villageofmanteno.com> wrote:

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.

Can you reach out to B&F and get this taken care of so we can get the review completed? Thanks.

Chris LaRocque
Administrator

<image001.png>
98 East Third Street

Chris LaRocque

From: Chris LaRocque
Sent: Friday, September 6, 2024 10:33 AM
To: Russell Sayre
Subject: FW: 1132002 - Gotion - Emergency Action Plan @ 333 South Spruce Street, Manteno, IL

Here is B&F's response:

Chris LaRocque
Administrator

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

From: Plan Review <planreview@bfccs.org>
Sent: Friday, September 6, 2024 9:56 AM
To: Chris LaRocque <clarocque@villageofmanteno.com>
Subject: RE: 1132002 - Gotion - Emergency Action Plan @ 333 South Spruce Street, Manteno, IL

Good Day,

The project number for Chemical review is 1132191 and it has not been paid. The payment responsibility letter was sent out on 8/27. We have not received that letter back signed yet. We do not start working on a project until we received that letter back signed. Please have them reach out to our finance department.

Thank you,
Joanne Ward
Administrative Team Leader
B & F Construction Code Services, Inc.
2420 Vantage Drive. Elgin IL, 60124
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From: Chris LaRocque <clarocque@villageofmanteno.com>
Sent: Friday, September 6, 2024 8:45 AM
To: Plan Review <planreview@bfccs.org>
Cc: Sean Fallows <SFallows@bfccs.org>
Subject: RE: 1132002 - Gotion - Emergency Action Plan @ 333 South Spruce Street, Manteno, IL

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Chris LaRocque
Administrator

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

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Thank you,
Joanne Ward
Administrative Team Leader
B & F Construction Code Services, Inc.
2420 Vantage Drive. Elgin IL, 60124

Chris LaRocque

From: Chris LaRocque
Sent: Friday, September 6, 2024 8:48 AM
To: Russell Sayre
Subject: FW: Sigma Aldrich Inc - Code Study (1132191)
Attachments: Sigma Aldrich Inc - Code Study (1132191).pdf; Invoice # 65798.pdf

This is what was sent last week & you were copied on it. I assume you signed and paid for this one?

Chris LaRocque

Administrator

Village of

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

From: Yogita Merai <YMerai@bfccs.org>
Sent: Tuesday, August 27, 2024 12:13 PM
To: r.sayre@gotion.com
Cc: Chris LaRocque <clarocque@villageofmanteno.com>
Subject: Sigma Aldrich Inc - Code Study (1132191)

Good Afternoon Russell,

We have received the **Sigma Aldrich Inc - Code Study** project located at 3050 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 for 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: Russell Sayre <r.sayre@gotion.com>
Sent: Friday, September 6, 2024 10:58 AM
To: Yogita Merai
Cc: Chris LaRocque
Subject: RE: Sigma Aldrich Inc - Code Study (1132191)
Attachments: Signed Sigma Aldrich Inc - Code Study (1132191) (002).pdf

Please see attached.

We are calling now to make payment.

Thanks,
Cole

From: Yogita Merai <YMerai@bfccs.org>
Sent: Tuesday, August 27, 2024 1:13 PM
To: Russell Sayre <r.sayre@gotion.com>
Cc: clarocque@villageofmanteno.com
Subject: Sigma Aldrich Inc - Code Study (1132191)

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 Afternoon Russell,

We have received the ***Sigma Aldrich Inc - Code Study*** project located at 3050 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.

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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: Friday, September 6, 2024 11:03 AM
To: Russell Sayre
Cc: Chris LaRocque
Subject: RE: Sigma Aldrich Inc - Code Study (1132191)

Form received, 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

From: Russell Sayre <r.sayre@gotion.com>
Sent: Friday, September 6, 2024 10:58 AM
To: Yogita Merai <YMerai@bfccs.org>
Cc: clarocque@villageofmanteno.com
Subject: RE: Sigma Aldrich Inc - Code Study (1132191)

Please see attached.

We are calling now to make payment.

Thanks,
Cole

From: Yogita Merai <YMerai@bfccs.org>
Sent: Tuesday, August 27, 2024 1:13 PM
To: Russell Sayre <r.sayre@gotion.com>
Cc: clarocque@villageofmanteno.com
Subject: Sigma Aldrich Inc - Code Study (1132191)

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Good Afternoon Russell,

We have received the ***Sigma Aldrich Inc - Code Study*** project located at 3050 Spruce Street for code review from ***Village of Manteno***.

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

Chris LaRocque

From: Russell Sayre <r.sayre@gotion.com>
Sent: Friday, September 6, 2024 3:18 PM
To: Chris LaRocque
Cc: Branden Brickles; Yogita Merai
Subject: Payment confirmation
Attachments: 65798.pdf

FYI

Thanks,
Cole
502-229-6489

Chris LaRocque

From: Plan Review <planreview@bfccs.org>
Sent: Tuesday, September 10, 2024 2:47 PM
To: Chris LaRocque
Subject: RE: 1132191 Chemical review @ 333 South Spruce Street, Manteno, IL

Good Day,

We should have this completed by the end of the week or sooner.

Thank you,
Joanne Ward
Administrative Team Leader
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: Tuesday, September 10, 2024 2:41 PM
To: Plan Review <planreview@bfccs.org>
Subject: RE: 1132191 Chemical review @ 333 South Spruce Street, Manteno, IL

I've been told this review was now paid. Do we have an idea when it will be completed? Sean mentioned last week that it was close to completion.

Chris LaRocque
Administrator

Village of

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

From: Plan Review <planreview@bfccs.org>
Sent: Friday, September 6, 2024 9:56 AM
To: Chris LaRocque <clarocque@villageofmanteno.com>
Subject: RE: 1132002 - Gotion - Emergency Action Plan @ 333 South Spruce Street, Manteno, IL

Good Day,

Chris LaRocque

From: Plan Review <planreview@bfccs.org>
Sent: Wednesday, September 11, 2024 1:25 PM
To: Chris LaRocque
Cc: r.sayre@gotion.com
Subject: 1132191 - Sigma-Aldrich Inc @ 3050 Spruce Street, St Louis, MO
Attachments: 1132191 9-11-2024.pdf

Good Day,

We have completed the plan review for Sigma-Aldrich Inc located at 3050 Spruce Street, St Louis, MO.

The Project number 1132191.

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

INSPECTION REQUESTS CAN BE DONE ONLINE.

Please click to schedule an inspection: Inspection Request — B&F Construction Code Services, Inc.
<<https://www.constructioncodes.com/inspections>>

Send plan review requests to: planreview@bfccs.org <<mailto:planreview@bfccs.org>>
To ensure timely receipt, please send inspection requests by 3:00pm the day prior to service**

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 11, 2024

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

RE: **Sigma-Aldrich Inc**
3050 Spruce Street, St Louis, MO
Project No. 1132191

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.	_____	Code Study No.	<u>1</u>
Fire Code Review No.	_____		
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 Tutanés
Technical Advisor & Building Plans Examiner

Report Processed By: pt

CC: r.sayre@gotion.com

Service With Integrity

Member
ICC NFPA IFIA

September 11, 2024

CODE STUDY REVIEW NO. 1

PROJECT NAME: Sigma-Aldrich Inc.
PROJECT NUMBER: 1132191
LOCATION: 3050 Spruce Street, St Louis, MO
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 plans and specifications must be re-submitted including a written response stating the corrective action taken corresponding to the appropriate comment number.

This review is based on the documents received on August 26, 2024.

Note: This review is based on three (3) chemicals for the Gotion New Energy facility as supplied to the Village of Manteno. This review is limited to the health or toxicity requirements of said chemicals:

Lithium Iron Phosphate

- Lithium Iron Phosphate (CAS #15365-14-7) is not considered a hazardous substance or mixture. It is stable under normal conditions of temperature and pressure, and there are no known hazardous reactions.
- If you experience irritation or feel unwell after exposure to lithium iron phosphate, you should consult a physician.
- The chemical would not be classified by the International Fire Code 2024 as Toxic or Highly Toxic and shall not need to be treated with additional care with operations staff or by first responders.

Carboxymethyl cellulose Sodium Salt

- Carboxymethyl cellulose Sodium Salt (CAS# 9004-32-4), is not hazardous according to Regulation (EC) No. 1272/2008. It is also not classified as dangerous according to Directive 67/548/EEC.
- However, sodium carboxymethyl cellulose may cause irritation and may change liver weight, urine composition, and sodium levels in rats.
- When handling sodium carboxymethyl cellulose, you should:
 - Wear protective gloves and clothing.
 - Wear NIOSH/MSHA or EN 136 approved respiratory protection if exposure limits are likely to be exceeded.
 - If breathed in, move the person into fresh air.
 - If not breathing, give artificial respiration.
 - Wash off with soap and plenty of water.

B & F CONSTRUCTION CODE SERVICES, INC.
2420 Vantage Drive - Elgin, IL 60124
Phone: 847/428-7010 - Fax: 847/428-3151

Sigma-Aldrich Inc.
Project Number: 1132191
Code Study Review No. 1
September 11, 2024

- The chemical would not be classified by the International Fire Code 2024 as Toxic or Highly Toxic and shall not need to be treated with additional care with operations staff or by first responders.

Lithium Hexafluorophosphate

- Per the manufacturer's Safety Data Sheet (SDS) Lithium Hexafluorophosphate (CAS #21324-40-3) – Electrolyte Sample Series A11 is classified as a dangerous good and has the following hazard classifications:
 - Acute toxicity, oral: Toxic if swallowed
 - Acute toxicity, dermal: Toxic in contact with skin
 - Skin corrosion/irritation: Causes severe skin burns and eye damage
 - Serious eye damage/eye irritation: Causes serious eye damage
 - Specific target organ toxicity, repeated exposure: Causes damage to organs through prolonged or repeated exposure
 - May be corrosive to metals: May be corrosive to metals
- Per the manufacturer's Safety Data Sheet (SDS) Lithium Hexafluorophosphate (CAS #21324-40-3) has several health requirements, including:
 - Hazard statements: H311 (toxic to skin), H302 (harmful if swallowed), H314 (causes severe skin burns and eye damage), and H290 (may be corrosive to metals)
 - Precautionary statements: P260 (do not breathe dusts or mists), P270 (do not eat, drink, or smoke when using this product), P234 (keep only in original container), P264 (wash skin thoroughly after handling), and P280 (wear protective gloves, protective clothing, eye protection, and face protection)
 - Target organs: Bone and teeth
 - Personal protective equipment: Dust mask type N95 (US), eye shields, and gloves
 - Lethal Dose 50% (LD50) values ranging from about 400 – 1000 mg/kg of body weight (bw) via oral ingestion, and > 4000 mg/kg body weight (bw) via dermal (skin) absorption
- This chemical (Lithium Hexafluorophosphate) would be classified by the International Fire Code (IFC) 2024 as Toxic and shall need to be treated accordingly by operations staff or by first responders.

Sigma-Aldrich Inc.
Project Number: 1132191
Code Study Review No. 1
September 11, 2024

Note: As Lithium Hexafluorophosphate is considered to be Toxic per the IFC, then the requirements of Chapter 50 Hazardous Materials General Provisions and Chapter 60 Highly Toxic and Toxic Materials shall apply. The design team and/or facility operator shall respond to the following comments:

1. Clarify the total amount of Lithium Hexafluorophosphate that will be stored within the facility and in a control area. Please note that Table 5003.1.1(2) allows for one thousand pounds (1,000 lbs.) per control area (including the known sprinkler credit), without modifiers (increases per the footnote) for storage occupancies or approved storage vessels. If the storage occupancy or storage vessel modifiers are used demonstrate how compliance will be achieved.

Section: 5003.1.1(2)

2. If the storage exceeds the amounts noted above, the storage requirements of 5004, 5005, and 6003 shall apply.

Section: 5004, 5005, 6003

3. Provide a response letter, and cloud and highlight changes made. Identify the page number / detail number where the changes are made. Additional review comments are possible based upon the responses to the review items.

Section: 105.4.2

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