

### **Clark County Department of Building & Fire Prevention**

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Division:	Fire Prevention	e Prevention Policy & Procedure: FP-1	
Subject:	Quality Assurance Program	Effective Date:	09/17/2015
Code:	N/A	Revised Date:	04/29/2016

### A. GENERAL:

The Department of Building & Fire Prevention's (CCDBFP)'s Quality Assurance Program policy and procedure defines the standards of maintaining the minimum quality levels of service through a collection of self-imposed standards through activities such as internal quality audits, document creation and control, management reviews, and a matrix of certifications.

The CCDBFP's Quality Assurance Program is described below. Together, this and the FP-PP-150 "Fire Prevention - Quality Assurance Plan," creates the comprehensive quality assurance foundation for Fire Prevention operations.

### **B. DEFINITIONS:**

For the purposes of this Departmental policy, the following definitions are provided:

**Document Creation & Control** - The direction, regulation and coordination of procedures and related documents to assure consistency of operations.

**Internal Quality Audits** - Internal studies to identify the extent to which documented procedures are followed and the effectiveness of current processes. (Ref: Appendix 1)

**Non-Conformances and Inefficiencies** - An ongoing list of non-conformances and inefficiencies identified by the FP Quality Assurance Program's implementation. The listing is maintained by management and is utilized to track of the identification of relevant issues and necessary corrective actions with assigned due dates. (Ref: Appendix 2)

**Management Reviews** - Annual reviews performed by management of internal audit findings to assess the Department's level of procedural conformance, identify and correct areas of non-conformance and inefficiency, and engage staff in improving processes and procedures.

Service Goals are goals set for performance in each area of service offered by Fire Prevention as follows:

- (1) FP Plan/Permit Submittal, Scheduling, and Finance;
- (2) FP Fire Plans Check; and
- (3) FP Fire Inspections & Public Education

Division:	Fire Prevention	Policy & Procedure:	FP-PP-149
Subject:	Quality Assurance Program	Effective Date:	09/17/2015
Code:	N/A	Revised Date:	04/29/2016

FP Service Goals were established in cooperation with users of services provided by the FP. Service Goals are measured monthly and include: **Timeliness** (turn-around time), **Quality** (error-rate), and **Professionalism** (quality of interactions with staff and the public). Management and ad-hoc committees may review Service Goal performance to address issues which may require immediate or expedited action.

The required level of performance is at or above the adopted "High Level Service Goals" listed in the Service Goals section of the FP-PP-149 "Fire Prevention – Quality Assurance Program." When the actual level of performance falls below the "High Level" of service, Fire Prevention Administration takes action to address the identified issues toward the goal of returning to "High Levels" of performance promptly.

FP Intake, Scheduling, and Finance (Appendix 3);

FP Inspections & Public Education (Appendix 4); &

FP Plans Check (Appendix 5)

### **Matrix of Certifications:**

The confirmation of certain characteristics of a project, person, or organization. This confirmation is often, but not always, provided by some form of external review, education, or assessment. One of the most common types of certification is professional certification, where a person is certified as being able to competently complete a job or task, usually by the passing of an examination.

### C. PROCEDURE

### **Document Creation & Control:**

All Department of Building & Fire Prevention documents shall be reviewed, on an annual basis, and approved by Administration before use or distribution. The approved documents are available online for printing and use.

### **List of Documents:**

Department of Building & Fire Prevention (CCDBFP)/Fire Prevention website; Guidelines – CCDBFP/Fire Prevention website How-To-Guides - Fire Prevention Share Point Standard Operating Procedures (SOP) - CCFD Training website Rules and Regulations (R&R) - CCFD Training website

### **Internal Quality Audits & Reviews:**

On a quarterly basis, the Department of Building & Fire Prevention shall complete, at a minimum, two (2) Internal Quality Audits and Reviews of a selected Guideline, How-To-Guide, Inspection Overlay, FP Process, or Form. More frequent Internal Quality Reviews may be accomplished as necessary.

### **Management Reviews:**

Management reviews, and/or ad-hoc committee reviews, shall be performed as Internal Quality Reviews to assess the Department's level of procedural conformance, identify and correct areas of non-conformance and inefficiency, engage staff in improving processes and procedures, and address key issues on a timely basis.

Division:	Fire Prevention	Policy & Procedure:	FP-PP-149
Subject:	Quality Assurance Program	Effective Date:	09/17/2015
Code:	N/A	Revised Date:	04/29/2016

Department of Building & Fire Prevention Management shall annually conduct reviews of the Department's management system and inspection activities to ensure their continuing suitability and effectiveness, and to introduce necessary changes or improvements.

#### **Service Goals:**

Service Goals are goals set for performance in each area of service offered by Fire Prevention: (1) FP Plan/Permit Intake, Scheduling, and Finance (Appendix 3); (2) FP Inspections & Public Education Outreach (Appendix 4); & (3) FP Plans Check (Appendix 5).

FP Service Goals were established in cooperation with users of services provided by FP. Service Goals are measured monthly and include: **Timeliness** (turn-around time), **Quality** (error-rate), and **Professionalism** (quality of interactions with staff and the public). Management, FP Stakeholders (i.e. customers) and ad-hoc committees may review Service Goal performance to address issues which may require immediate or expedited action.

### **Matrix of Certifications:**

A matrix of certifications required by the Department of Building & Fire Prevention shall be maintained and includes: names, job titles, required certificates, current standings and expiration dates. Certifications required of staff shall be issued by a national construction code promulgation organization, such as the International Code Council (ICC), the National Fire Protection Association (NFPA), or other acceptable certification organizations, as determined by local ordinance or state laws.

### **Revision History:**

POLICY#	CIFEC	Effective Date	Revised	Reviewed
FP-PP-149	FP Quality Assurance Program	September 17, 2015	New	10/20/15
FP-PP-149	FP Quality Assurance Program		Revised	04/29/16

,	Division:	Fire Prevention	Policy & Procedure:	FP-PP-149
	Subject:	Quality Assurance Program	Effective Date:	09/17/2015
	Code:	N/A	Revised Date:	04/29/2016

Approved by:	Approved by:
Samuel D. Palmer	Girard W. Page
Samuel D. Palmer, P.E., Acting Director	Girard W. Page, Fire Marshal
Approved by:	Approved by:
Adolf Zubia	Fulton Cochran
Adolf Zubia, Assistant Fire Chief	Fulton Cochran, Assistant Fire Chief
Approved by:	Approved by:
Sandra Tiedeman	
Sandra Tiedeman, Acting Office Services Manager	

Division:	Fire Prevention	Policy & Procedure:	FP-PP-149
Subject:	Quality Assurance Program	Effective Date:	09/17/2015
Code:	N/A	Revised Date:	04/29/2016

## APPENDIX – 1 <u>QUALITY ASSURANCE PROGRAM</u>

### INTERNAL QUALITY AUDITS

# FIRE PREVENTION INTERNAL QUALITY AUDIT FORM & INSTRUCTIONS

Division:	Fire Prevention	Policy & Procedure:	FP-PP-149
Subject:	Quality Assurance Program	Effective Date:	09/17/2015
Code:	N/A	Revised Date:	04/29/2016

### FP INTERNAL QUALITY AUDIT FORM & INSTRUCTIONS

### **DEPARTMENT OF BUILDING & FIRE PREVENTION**

### **DECEMBER 18, 2015**

DOCUMENTED PROCEDURE BEING AUDITED:	Identify a documented procedure to audit from the Fire Prevention's library of controlled documents.
COMMENTS/CONDITIONS:	Record the results of the internal studies by specifying the extent of, or lack of, Fire Prevention follow-through with documented procedures. Identify the effectiveness of the current processes by describing the extent to which the documented procedures reflect the necessary service delivery goals and objectives of the Department.
FINDING(S):	Describe in detail the Internal Quality Audit team Finding(s). Findings may include; but are not limited to: (1) change, update, and/or modify the documented procedures; (2) none, when there are no recommended actions because current processes and the extent to which the documented procedures actually reflect our service deliver goals and objectives; or, (3) there is a need to develop and document a "new" procedure. In every case, the Internal Quality Audit team report and findings shall include a listing of Fire Prevention Staff most familiar with the non-conformance. Knowledgeable staff shall be included in improving processes and procedures efforts when correcting or adjusting issues of non-conformance.
	Note: Whenever an Internal Quality Audit finding(s) identifies a "non-conformance" exists, the subject of the Internal Quality Audit shall be added to the Department of Building & Fire Prevention's listing of non-conformances & inefficiencies for review during quarterly Management Reviews.

Internal Quality Audits are internal studies used to identify the extent to which documented procedures are followed and the effectiveness of current processes.

Division:	Fire Prevention	Policy & Procedure:	FP-PP-149
Subject:	Quality Assurance Program	Effective Date:	09/17/2015
Code:	N/A	Revised Date:	04/29/2016

## APPENDIX - 2 <u>QUALITY ASSURANCE PROGRAM</u>

# LIST OF NON-CONFORMANCE & INEFFICIENCIES FORM

Division:	Fire Prevention	Policy & Procedure:	FP-PP-149
Subject:	Quality Assurance Program	Effective Date:	09/17/2015
Code:	N/A	Revised Date:	04/29/2016

OUTCOME OF INTERNAL QUALITY AUDIT NON-CONFORMANCE OR INEFFICIENCY	CORRECTIVE ACTION RECOMMENDATIONS & NAME & TITLE of FP's DEPARTMENT SUBJECT MATTER EXPERTS (SME)	CORRECTIVE ACTION COMPLETION DATE:

Note: An ongoing list of non-conformances and inefficiencies identified by the FP Quality Assurance Program's implementation. The listing is maintained by Management and is utilized to track the identification of relevant issues and necessary corrective actions with assigned due dates.

Division:	Fire Prevention	Policy & Procedure:	FP <b>-</b> PP-149
Subject:	Quality Assurance Program	Effective Date:	09/17/2015
Code:	N/A	Revised Date:	04/29/2016

### APPENDIX – 3 QUALITY ASSURANCE PROGRAM

### **SERVICE GOALS -**

# FIRE PREVENTION INTAKE, SCHEDULING, AND FINANCE

Division:	Fire Prevention	Policy & Procedure:	FP-PP-149
Subject:	Quality Assurance Program	Effective Date:	09/17/2015
Code:	N/A	Revised Date:	04/29/2016

Goal: Vision - Be a global leader in ensuring safe and sustainable buildings and structures.

Mission Statement - Provide efficient plan review, permitting, inspection and public education to ensure a safe site-built environment, promote fire prevention, and support emergency response to protect the citizens and visitors of Clark County.

#### FIRE PREVENTION PLAN & PERMIT SUBMITTAL - INTAKE SERVICES **OBJECTIVES** MEASUREMENT(s)/ PERFORMANCE MEASURES SERVICE LEVELS **CHARACTERISTICS** TO PROVIDE TIMELY **Timeliness** Measure of Q-Matic System time High: Customer is called to counter PLAN/PERMIT elapsed between the customer within 0-30 minutes. (Turn-around time) SUBMITTAL INTAKE taking a Service Ticket and the SERVICES. Service Ticket Number is called to Medium: Customer is called to counter a FP customer counter for Intake within > 30 and < 60 minutes. Services. Low: Customer is called to counter > 60 minutes. TO PROVIDE Quality (Error Rate) Track the number of Non-Escrow High: $\geq$ 90% of Combined **ACCURATE** and Escrow adjustments monthly. Non-Escrow and Escrow adjustments Daily Application Adjustments -Count the number of errors by PLAN/PERMIT completed with no errors by Intake SUBMITTAL INTAKE Non-Escrow. Intake Services. Services. SERVICES. Daily Applications Adjustments -Intake (IE) Errors, Finance (FE) Medium: < 90% and $\ge 75\%$ combined Escrow. Errors, Plans Checker (FPC) Non-Escrow and Escrow adjustments Errors, Customer Errors (CE), and completed with no errors by Intake Intake & Customer (IE-CK) Major Errors: Services. Goal is zero (0) Errors. Non-Escrow and Escrow Errors Low: < 75% of Combined Non-Escrow by Intake. and Escrow adjustments completed with no errors by Intake Services. Minor Errors: Goal is zero (0) Non-Escrow and Escrow Errors by Customer or by Intake & Customer Face-to-Face. TO PROVIDE Professionalism Fire Prevention Customer High: ≥ 90% of Positive Customer FP **PROFESSIONAL** Satisfaction Survey results for FP Survey results. PLAN/PERMIT Intake Group. SUBMITTAL INTAKE Medium: < 90% and $\ge 75\%$ of Positive SERVICES. Customer FP Survey results. Low: < 75% of Positive Customer FP Survey results.

Division:	Fire Prevention	Policy & Procedure:	FP-PP-149
Subject:	Quality Assurance Program	Effective Date:	09/17/2015
Code:	N/A	Revised Date:	04/29/2016

Reference: Section 3.3 "Goals and Objectives" (AC246)
Goal: Vision - Be a global leader in ensuring safe and sustainable buildings and structures.
Mission Statement - Provide efficient plan review, permitting, inspection and public education to ensure a safe site-built environment, promote fire prevention, and support emergency response to protect the citizens and visitors of Clark County.

OBJECTIVES	MEASUREMENT(s)/ CHARACTERISTICS	PERFORMANCE MEASURES	SERVICE LEVELS
TO PROVIDE TIMELY PLAN/PERMIT SERVICES SCHEDULING.	Timeliness (Turn-around time)  The goal in scheduling is to schedule Business License and Complaint Inspections in Line in a timely manner.  Major Error: "Unassigned Work Queue" no BL Inspections assigned with less than three (3) work days.  Minor Error: "Unassigned Work Queue" No BL inspections assigned with less than five (5) work days.  Major Error: High Priority complaints entered in Naviline with less than (3) work days for Fire Inspector.  Minor Error: Medium priority complaints entered in Naviline with less than give (5) work days for Fire Inspector.	Measure and Track:  Total number of Fire Inspections and percent scheduled on-time monthly  Regular Hours Inspections & Overtime Inspections	High: ≥ 90% of all inspections completed on time with zero (0) Major & zero (0) Minor Errors.  Medium: < 90 % and ≥ 75% of all inspections completed on time with one (1) Major and up to five (5) Minor Errors.  Low: < 75 % of all inspections completed on time with > one (1) Major Error/s and if ive (5) Minor Errors.
TO PROVIDE <u>QUALITY</u> PLAN/PERMIT SERVICES SCHEDULING.	Quality (Error Rate)  Major Error: FP scheduling forgets to enter a Complaint Inspection into Naviline.  Minor Error: FP Scheduling enters a Complaint Inspection with less than 48 hours of available work day time for Fire Inspectors.		High: ≥ 90% of all inspections complete on time with zero (0) Major and Mind Errors.  Medium: < 90% and ≥ 75% of all inspections completed on time with one (1) Major and up to five (5) Minor Errors.  Low: < 75% of all inspections complete on time with > one (1) Major Error/s and five (5) Minor Errors.

Division:	Fire Prevention	Policy & Procedure:	FP-PP-149
Subject:	Quality Assurance Program	Effective Date:	09/17/2015
Code:	N/A	Revised Date:	04/29/2016

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Mission Statement - Provide efficient plan review, permitting, inspection and public education to ensure a safe site-built environment, promote fire prevention, and support emergency response to protect the citizens and visitors of Clark County.

FIRE PREVENTION PLAN & PERMIT SUBMITTAL — SCHEDULING, continued				
OBJECTIVES	MEASUREMENT(s)/ CHARACTERISTICS	PERFORMANCE MEASURES	SERVICE LEVELS	
TO PROVIDE PROFESSIONAL PLAN/PERMIT SERVICES SCHEDULING.	Professionalism	Fire Prevention Customer Satisfaction Survey results for FP Scheduling Group.	High: ≥ 90% of Positive Customer FP Survey results.  Medium: < 90% to ≥ 75% of Positive Customer FP Survey results.  Low: < 75% of Positive Customer FP Survey results.	

Division:	Fire Prevention	Policy & Procedure:	FP-PP-149
Subject:	Quality Assurance Program	Effective Date:	09/17/2015
Code:	N/A	Revised Date:	04/29/2016

## APPENDIX – 4 <u>QUALITY ASSURANCE PROGRAM</u>

### **SERVICE GOALS -**

# FIRE PREVENTION INSPECTIONS & PUBLIC EDUCATION OUTREACH

Division:	Fire Prevention	Policy & Procedure:	FP-PP-149
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Code:	N/A	Revised Date:	04/29/2016

Goal: Vision - Be a global leader in ensuring safe and sustainable buildings and structures.

Mission Statement - Provide efficient plan review, permitting, inspection and public education to ensure a safe site-built environment, promote fire prevention, and support emergency response to protect the citizens and visitors of Clark County.

#### FIRE PREVENTION SERVICES - INSPECTIONS **OBJECTIVES** MEASUREMENT(s)/ PERFORMANCE MEASURES SERVICE LEVELS CHARACTERISTICS TO PROVIDE TIMELY Measure and Track: High: ≥ 90% of all inspections completed Timeliness FIRE PREVENTION Total number of Fire Inspections on time with zero (0) Major and five (5) SERVICES -Conduct scheduled inspections onand Percentage completed on-time Minor Errors. INSPECTIONS. time and within twenty-four (24) Monthly Hours of requested date. Medium: < 90% and $\ge 75\%$ of all inspections completed on time with one (1) Regular Hours Inspections & Overtime Inspections Major and up to five (5) Minor Errors. Major Error – Failure to conduct scheduled fire inspection and >24 hours of requested date. Low: < 75% of all inspections completed on time with > one (1) Major Error and > Minor Error - Not resulting five (5) Minor Errors. inspections on the scheduled day inspection was completed. TO PROVIDE Quality (Error Rate) Inspections conducted according High: $\geq$ 90% of all of Field Inspection **QUALITY** to established FP Guidelines and Audits with zero (0) Major Errors and five FIRE PREVENTION Inspection overlay standards as (5) Minor Errors. Major Errors -SERVICES -Failure to recognize a required Fire verified by Field Inspection Audits Medium: < 90 % and $\ge 75 \%$ of Field INSPECTIONS. Protection System missing during final inspection and not Issuing Inspection Audits with one (1) Major required Permit(s). Errors and up to five (5) Minor Errors. Minor Errors -Low: < 75 % of Field Inspection Audits Failure to complete all inspections with > one (1) Major Errors and > five (5) with AP and Yes at Final Minor Errors. Inspection. TO PROVIDE Professionalism Fire Prevention Customer High: ≥ 90% of Positive Customer FP **PROFESSIONAL** Satisfaction Survey results for FP Survey results. FIRE PREVENTION Inspections Group. SERVICES -Medium: < 90% and $\ge 75\%$ of Positive INSPECTIONS. Customer FP Survey results. Low: < 75% of Positive Customer FP Survey results.

Division:	Fire Prevention	Policy & Procedure:	FP-PP-149
Subject:	Quality Assurance Program	Effective Date:	09/17/2015
Code:	N/A	Revised Date:	04/29/2016

## APPENDIX – 5 <u>QUALITY ASSURANCE PROGRAM</u>

### **SERVICE GOALS –**

### FIRE PREVENTION PLANS CHECK

Division:	Fire Prevention	Policy & Procedure:	FP-PP-149
Subject:	Quality Assurance Program	Effective Date:	09/17/2015
Code:	N/A	Revised Date:	04/29/2016

Goal: Vision - Be a global leader in ensuring safe and sustainable buildings and structures.

Mission Statement - Provide efficient plan review, permitting, inspection and public education to ensure a safe site-built environment, promote fire prevention, and support emergency response to protect the citizens and visitors of Clark County.

#### FIRE PREVENTION PLANS CHECK SERVICES **OBJECTIVES** MEASUREMENT(s)/ **PERFORMANCE** SERVICE LEVELS **CHARACTERISTICS MEASURES** TO PROVIDE TIMELY **Timeliness** Count the number of fire plans High: Customers requests fire plans PLANS CHECK SERVICES. (Turn-around time) checks requested by customers check on-time services and the fire and the number of fire plans plans check is completed on schedule checks performed by: Category > 90% of the time. Track the total number of Fire Plans Checks submitted and track the total and # of Days; Express, Next Category # of Days number of Fire Plans Checks Day, and Over- the-Counter Medium: Customers request fire plans performed on schedule each Month. (OTC); and Tier I and II check on time and the schedule 1X 20 Assembly requested cannot be satisfied < 90% or & **Temporary** 2X or SL2 Calculate the Percent of Fire Plans 10 Membrane Structures. > 60% of the time. 3X or SL3 Checks completed on schedule 3 4X 1 monthly. Track the composite average Low: Customers request fire plans percentage of fire plans check check on time and the schedule Express Return customer telephone and e-mail reviews completed within the requested cannot be satisfied by Fire Next Day inquiries within the same day or next turn-around timelines. Plans Check < 60% of the time. working day for calls received one OTC hour prior to end of shift. Tier I & II Assembly & Tents Plans Check customer telephone High: Most customer telephone calls Reference DRAFT Rule & calls and inquiries are promptly and e-mails are addressed within same 1X 10 2X 5 Regulation No.: 1.3.1 entitled "Fire returned; or, addressed with the day or next working day for calls 3X 3 Department Computers and customer on the same day. received one hour prior to end of shift. 4X 1 Electronic Equipment." Customer Satisfaction Surveys Medium: Some of the customer telephone calls and E-mails are not Major Errors: Measured qualitatively through the use of FP Customer Customer complaints indicating no being addressed within same day or next working day for calls received return call or E-mail responses from Satisfaction Survey feedback Fire Prevention and customer need one hour prior to end of shift. results. window is past due. Measured quantitatively Low: Most customer calls and E-Minor Errors: tracking Fire Plans Check E-mail mails are not being addressed within Untimely Fire Prevention response to same day or next working day for calls Message Box. calls or E-mail. received one hour prior to end of shift.

Division:	Fire Prevention	Policy & Procedure:	FP-PP-149
Subject:	Quality Assurance Program	Effective Date:	09/17/2015
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#### FIRE PREVENTION PLANS CHECK SERVICES, (continued) SERVICE LEVELS **OBJECTIVES** MEASUREMENT(s)/ PERFORMANCE MEASURES **CHARACTERISTICS** TO PROVIDE Quality (Error Rate) Fire plans checks completed in High: 100% of plans have no Major accordance with Fire Code and Fire Errors and five (5) or fewer Minor Errors. **QUALITY** PLANS CHECK Carry out necessary fire plans Prevention Guidelines as indicated SERVICES. checks without Major Errors and by internal Quality Audits and 3rd Medium: 100% of plans have no Major Minor Errors. Party Audits of Selected Plans. Errors and more than five (5) minor errors. Low: $\geq 25\%$ of plans have more than (1) Major Errors: Reference Fire Plans Check one Major Error and more than five (5) "Quality Audit Check List - Fire Minor Errors. Alarm and Fire Sprinkler Minor Errors: Reference Fire Plans Check "Quality Audit Check List - Fire Alarm and Fire Sprinkler. TO PROVIDE Professionalism Kudos - Customer Service High: ≥ 90% of FP Customer Satisfaction **PROFESSIONAL** Survey results are positive. PLANS CHECK Quality of interactions with Staff Complaints - FP Customer Service and the Public as perceived by Medium: < 90% and $\ge 75\%$ of FP SERVICES. Survey results. users of Fire Prevention services. Customer Satisfaction Survey results are positive. Low: < 75% of FP Customer Satisfaction Survey results are positive.