

ACP NEWS

July 2012



Filing Applications

The provision of accurate and complete information on each Application for Inspection is important to ensure:

- the notification is assigned to the correct Contractor;
- the notification is assigned to the correct Inspector and Supply Authority thus preventing delays;
- the full scope of work is disclosed to identify what electrical work the Inspector needs to look at;
- the full scope of work is disclosed to ensure that the Certificate of Inspection accurately reflects all electrical work that was done and inspected; and
- the full scope of work is disclosed to ensure notifications for ACP eligible and non-eligible work are created accurately.

Complete and accurate Applicant Information enables assignment to the correct contractor (it is important to include both company name and account number in case legibility is questionable), processing within established service standards, correct application of applicable ACP benefits, and provides a contact name should clarification be required. To ensure you receive your ACP benefits, make sure you record your current ACP# on all applications (remember – if you add a new vertical your ACP # changes)

Complete and accurate Site Information enables assignment to the correct inspector and supply authority, provides a contact name and number for arranging access, provides details with respect to where in the building the electrical work was done (particularly important in a large facility), provides the main intersection to enable locating the site efficiently, and indicates when arrangements must be made to accommodate water travel.

Complete and accurate Installation Information ensures the full scope of work is inspected and reflected on the Certificate of Inspection.

A review of applications filed in Sept/Oct 2011 showed that the majority of applications were not filled out correctly and/or completely. The most common problems were:

- outdated application form used
- information fields not filled out (ie) Acct #, ACP #, main intersection, contact #, etc
- site address did not indicate street designation (Rd, Av, St, etc) or directional (N, S, E, W)
- on-site location (ie) which room, not provided
- main intersection not provided; water travel not indicated
- ticked off “ready for” and “will notify”
- ready date or date of power outage not provided

Application forms are typically revised each year in conjunction with fee changes. The revised forms are available at www.esasafe.com

In early June, all LECs were sent a copy of “Tips on Applying for Inspection with ESA” along with process changes that became effective July 1st.

New Code - OESC 2012

Reminder:

New Code training is mandatory for ACP contractors.

Additional Workshops are available in Mississauga.

On-line courses are available.

Information at www.esasafe.com

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Basic Exemption – 2-005 (d) for HVAC Installations

2-005 (d) deals with, in part, the connection or replacement of furnaces and hot water tanks, installed on an existing branch circuit.

Under 2-005 (d) an application for inspection is not required **if**:

- in an owner occupied dwelling (Residential only); does not include rental or “time share” units; **and**
- on an existing branch circuit and the circuit rating does not exceed 30A and 240V (not exempt if existing circuit must be changed to accommodate the installation); **and**
- installation does not require alteration, extension or repair to the existing wiring connected to the equipment; **and**
- the rating of the equipment does not exceed the rating of the branch circuit; **and**
- installed by a person qualified/licensed for the scope of work (see chart below).

Electrical connection of:	Qualified/Licensed for Scope of Work			Application (Permit) Required
	LEC	Gas Tech (G1, G2)	Plumber (306A)	
RESIDENTIAL ELECTRIC WATER HEATER				
NEW – when new branch circuit is required	✓	n/a	n/a	yes
NEW – when branch circuit is existing	✓	n/a	✓	no
Re & Re – when branch circuit is existing	✓	n/a	✓	no
RESIDENTIAL GAS/PROPANE WATER HEATER				
NEW – when install of receptacle/branch circuit required	✓	n/a	n/a	yes
NEW – when receptacle/branch circuit is existing	✓	✓	n/a	no
Re & Re – when receptacle/branch circuit is existing	✓	✓	n/a	no
RESIDENTIAL ELECTRIC FURNACE				
Note: most electric furnaces are on a circuit > 30A and will require a permit				
NEW	✓	n/a	n/a	yes
Re & Re	✓	n/a	n/a	no – if ≤ 30A
RESIDENTIAL GAS/PROPANE FURNACE or BOILER				
Including associated equipment such as condensate pumps, humidifiers and air cleaners fed from load side of furnace disconnect				
NEW – when new branch circuit is required	✓	n/a	n/a	yes
NEW - when branch circuit is existing	✓	✓	n/a	no
Re & Re – when branch circuit is existing	✓	✓	n/a	no

An application must be filed for any installation that does not meet all the above criteria.

- Connection or replacement of air conditioners, heat pumps and fire places require an application for inspection
- Connection or replacement of any components of a geo-thermal system require an application for inspection

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Electric Vehicle Chargers

EV chargers come in a variety of different sizes with different electrical requirements. Some can be plugged in; others are hard wired. For example some can be plugged into a 120V 20A receptacle while others are to be hard wired at a capacity of 240V at 30A. In addition, there is the issue of utility supply and whether it is sufficient for the EV load which is a 100% load.

Due to the above factors, EV chargers are not eligible for ACP at this point in time. They must be filed as regular Wiring work with full inspections.

Substation Maintenance – Required Notice

Currently the ACP Manual states that 5 days notice is required for SSM on open air substations. This notice allows the inspector to arrange his/her schedule to accommodate required inspections. Effective September 1st, 2012, 5 days notice will be required for all SSM regardless of structure type.

Pole Top Switches

Page 1, Section 4 of the ACP Manual outlines work items that are not included in the ACP. The list includes “generators and transfer switches and associated devices/equipment”. Pole top switches fall within this work so are not eligible for ACP.

60 Day/100% Process

Section 2.2.5.2 of the ACP Manual (June 2011) outlines the 100% process that has been used to assist with performance management of ACP contractors whose defect ratio has been over the acceptable 4% for an extended period of time. Effective September 1st this process will no longer be utilized. The ACP provides a process for recognizing OESC compliant work; the expectation is that ACP contractors will consistently demonstrate Code compliance and maintain a defect ratio <4%.



New High Voltage ICIA Application Form

A revised HV ICIA form has been posted to the ESA website. Please download it and use the new form on a go forward basis.

Most Frequently Issued Defects

on ACP Notifications, March – May 2012

HVAC Installations:

Code Group/Code	Code Description
ESA09-02/0670	02-034 OC prot req'd as per nameplate
ESA09-10/0180	10-406(4) Bond gas piping, min #6
ESA09-02/0820	02-100(3) Complete panel directory req'd
ESA09-02/0610	02-034 Equipment to be Approved for Use
ESA09-12/0540	12-618 Min support spacing, arm cable
ESA09-04/0250	04-034(1) Colour White For Power
ESA09-10/0470	10-906(6) Bond Receptacle to Box
ESA09-12/0940	12-3010 Support outlet box to structure
ESA09-26/0520	26-712(g) Tamper Proof Recep req'd

Residential Installations:

Code Group/Code	Code Description
ESA09-12/0270	12-506(4a) NM Cable near heat ducts
ESA09-12/0330	12-510(1) Min support spacing, NMSC
ESA09-26/0270	26-700(11) GFCI prot recept <1.5m
ESA09-02/0820	02-100(3) Complete panel directory req'd
ESA09-26/0630	26-722(f) AFCI req'd for branch circuits
C2012-26/0240	26-700(11) GFCI prot recept <1.5m
ESA09-26/0520	26-712(g) Tamper Proof Recep req'd
ESA09-12/0870	12-3000 Box/device covers req'd
ESA09-02/0610	02-034 Equipment to be Approved for Use
ESA09-02/1280	02-308(1) 1 m work space req'd
ESA09-12/0410	12-516 Mech prot req'd, NMSC < 32mm
C2012-12/0330	12-510(1) Min support spacing, NMSC
ESA09-10/0180	10-406(4) Bond gas piping, min #6

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