

Professional Development Hour (PDH) Examples by Category

Category A

Completing or auditing college or college-sponsored courses. One (1) college or unit semester hour shall be equivalent to fifteen (15) PDHs. One (1) college or unit quarter hour shall be equivalent to ten (10) PDHs.

Enter course title, number of credit hours, when and where completed

Category B

Completing self-study college or professional society sponsored courses, seminars, or symposia presented by correspondence, internet, television, video, or audio, and ending with examination or other verification processes. PDHs shall be earned for the actual time of each program with a maximum of fifteen (15) PDHs for a given activity.

Enter date and length of meeting

- Soil Health: Focus on Nutrients, SSSA Webinar
- Does Your Fertilizer Management Tool Deliver, SSSA Webinar

NOTE: An exam was taken at completion of these webinars to receive credit

Category C

Attendance or participation in seminars, tutorials, clinics, workshops, symposia, in-house courses, field tours/exercises, or technical presentations made at meetings, conventions, or conferences. PDHs shall be earned for the actual time of each program with a maximum of fifteen (15) PDHs for a given meeting.

Enter date and length of meeting

Assisted with the ISCA Soil Display at 2019 Farm Progress Show, 8:00AM to 12:00PM, August 29.

NOTE: 4 PDHs requested and approved.

2017 Forest Soils Workshop-Tennessee

Participated in ISCA field day at McCannon Farm, viewed and described 3 soil pits, participated in soil texture exercise.

2018 Illinois Soil Survey Planning Conference: NRCS

42nd ISCA Annual Meeting. Business meeting and guest speaker- Kevin Dominick: A Contractor's Perspective on Utilizing Soil Information.

Advanced Wetland Training, Champaign, IL, NRCS- Lee Davis

Ethics and Data Integrity, Iowa Department of Public Health

Jefferson Co. SWCD, Mount Vernon, IL, program, "Urban Stormwater Seminar"

Indiana Association of Professional Soil Classifiers. 10/8-10/2019, 10 hours

Soil Health Conference, O'Fallon IL, Ray Archuleta, 5 hours

ISCA Fall Meeting and Tour: Managing Mississippi and Ohio River Landscapes, Cape Girardeau, MO and various locations in southern IL; 1 hour lecture (11/11/16) and 5 hour field tour (11/12/16).

Improving Soil Health Globally, NRCS Webinar, 1 hour

Webinar: Improving soil, plant, and fertilizer analysis using advanced elemental analysis. ASA: Spectra. Presenter: Oral Shultz.

Webinar: Cover Crops for Ag Professionals. ASA, Presenter: Anderon

NRCS Webinar: Use of Principal Components to Scale-up Topo Models Predicting Soil Properties in Cropland. 1 hour

Webinar: Nutrient Management and Water Quality - Toolbox for Success. American Society of Agronomy and Verdasian.

Webinar: Introduction to Wetlands, 1 of 9 in a series. Sponsor: Association of State Wetland Managers (ASWM). Instructors: Mary Manning, US Forest Service; Doug Norris, Minnesota Department of Natural Resources; • Karen Fullen, USDA-NRCS. 1.5 hours

Northern IL Pipeline Association/JULIE Excavator Meeting; Elgin Community College, Elgin, IL. Excavator safety and JULIE compliance training; update JULIE procedures; presentations by JULIE staff and local utility companies.

IALEHA Onsite Wastewater Conference, Bloomington, IL

IDPH Annual Wastewater Conference

14th Annual Onsite Wastewater Professionals of Illinois Conference

LaSalle Co. HD Onsite Wastewater Conference

Fulton and McDonough Co. Health Department Soil Onsite Training Session. 3 hour meeting

Category D

Teaching of or providing instruction in Items (A) through (C), above. PDHs shall be doubled for this activity, and shall be applied for the initial presentation only.

Enter date and length of meeting

The Soils of Westwood; Presentation/Demonstration, Wide World of Wonder event at Westwood Elementary School, 4 hours includes preparation and initial presentation. 4 PDHs requested and approved.

NOTE: The presentation was given several times during the day, credit is given for the first presentation only along with preparation time. If this is an entirely new presentation, the approved PDHs are doubled from 4 to 8.

Instructor for Hydric Soils for Wetland Determination. 9/24/18-9/28/2018, NRCS NEDC, Sycamore IL

Provided Soil Training to new employees, during the year-2018, NRCS 15 days

Soil classification field teaching for WIU class Lead by Professor Joel Gruver held in the field examining soil pits near Macomb, 2 hours

Instructor for Intro to Soils Course-NRCS

Guest lecturer at the College of Du Page. 10:00am to 12:00pm

Soil Health Presentation Alexander-Pulaski Counties SWCD, 6 hours

"The History and Use of Soils Information to Determine Loading Rates for Septic Systems"; presentation made at 2016 North Central Regional Cooperative Soil Survey Conference; Sycamore, IL, 5 hours prep time for presentation.

Attended soils investigation in the Garfield Park neighborhood in Chicago, led by Cornell researcher Jeffrey Howard, and James Montgomery of DePaul University to expose students to anthropogenic soils. A pit was dug and I led the discussion on how to describe a soil. I showed students the NCSS methods in soil descriptions and protocol in field work (i.e. procuring permission and how maps are designed).

Presentation on Soil Drainage- LaSalle Co. SWCD

Guest lecturer for horticultural and soils students at the College of DuPage. I discussed soil survey mapping concepts and soil taxonomy concepts. This is an annual event. I was there from 9:15 to 11:30. I gave an introduction to NRCS, information about the pathways programs, information about the earth team volunteer program, and what our agency does.

Presentation-Soil Science and Scat, Piatt Co. Master Gardeners

Presentation-Soil Quality, Piatt Co. Master Gardeners

Presentation-Soils of Illinois, Champaign Co. Hosta Society

Presentation-Soil Morphology, Piatt Co. Ag in the Classroom

Prepared and presented Power Point on The Soil Classification Reports for IAIEAH Wastewater Treatment Conference, Bloomington, IL

Soil Properties presentation to Jackson Co. Iowa Board of Health; first time presentation

Fulton and McDonough Co. Health Department Soil Onsite Training Session. 1 hour presentation at meeting on how to read a soil map.

Basic soil class and demonstration for Peoria Co new sanitarians, 4/19, 2hrs

Category E

Technical field mapping, onsite investigations, formal reports of investigations, soil correlation and interpretation of properties, legal depositions, and expert witness testimony. A maximum of thirty (30) PDHs shall be applied for this activity.

Enter date, number of investigations, and approximate amount of time (hours) spent per investigation by year.

Soil Investigations/Classification/Reports for septic suitability. Approximately 2200 to 2800 hours from 1/1/2017 thru 12/31/2018

Soil evaluations/on-site investigations, self-employment, calendar year 2016, 76 jobs, 152 hours

MLRA Catlin/Parkway study

Assist ISGS and UofI with data collection for the Green Infrastructure Project. 3 hours

Order 1 Soil Survey, Lake Co. Forest Preserve

Field Investigations for ISCA Fall Meeting, 7/31/2018, 9/19/2018

Hydric Soil Field Investigations, NRCS - 38 days minimum, during year 2018

Legal Deposition /expert witness concerning fill material, water runoff and erosion at a residence. Took place in Charleston, IL

Onsite Soil Investigation/Report/Feasibility-Central CUSD #4, Clifton, IL

Wetlands Delineation/Report-Geosyntec/MIG Landfill, Belvidere, IL

Category F

Authoring published papers, articles, blogs, books, or book chapters. PDHs earned may equal preparation time spent and shall be claimed only following publication. A maximum of twelve (12) PDHs shall be applied per paper, article, blog, book, or book chapter for this activity.

Enter date published, and approximate amount of time (hours) spent on preparation of the article.

Authored article for National Cooperative Soil Survey Newsletter about the collaboration of the MLRA Office with the ISGS and U of I landscape architecture department on the Green Infrastructure project for Calumet City. Described assistance provided via field work, training, and technical expertise.

Category G

Active participation in professional or technical societies as an officer, committee chair, or committee member. A maximum of four (4) PDHs per year in each office or committee shall be applied for this activity, and PDHs shall not be earned until the end of each year.

Enter the year(s) spent in each activity.

2018 ISCA President

2018 ISCA Webmaster

2019 ISCA Past President

ISCA Vice President, attended Council Meetings, review of finances and create budget, 1/1/2016-12/31/2016

Chair ISCA Constitution and By-laws committee, 1 year term, ISCA

Member ISCA Certification Board, year 1 of 3 year term, ISCA

Member ISCA Certification Board, year 2 of 3 year term, ISCA

Member ISCA Certification Board, year 3 of 3 year term, ISCA

Appointment to office of "Historian" for the Illinois Soil Classifiers Association; maintain archives; report (orally and in writing) to Executive Council and membership; write historical articles for ISCA newsletter; 6/5/17 thru 10/31/19

Associate Scientist, Field Museum, Chicago

ACEC-Illinois Certificate, "Chairperson, ACEC-Illinois IEPA/IDNR Committee", 7/1/2018-6/30/2019

Served on national water, energy, and environment committee of the ACEC. 1/1/2016-12/31/2019

Soil Texture project committee 2017, collecting, processing, arranging analysis of soil samples, 1/1/2017-12/31/2017

Active member of the Missouri NRCS State Technical Advisory Committee. Review and provide advice and recommendations on a number of issues for a variety of USDA conservation programs. U.S. Army Corps of Engineers, calendar year 2016

Active member of the Iowa NRCS State Technical Advisory Committee. Review and provide advice and recommendations on a number of issues for a variety of USDA conservation programs. U.S. Army Corps of Engineers, calendar year 2016

Active member of the Illinois NRCS State Technical Advisory Committee. Review and provide advice and recommendations on a number of issues for a variety of USDA conservation programs. U.S. Army Corps of Engineers, calendar year 2019

Category H

Participation in professional examination grading or writing. A maximum of twelve (12) PDHs shall be applied for this activity.

Enter date and time spent in this activity.

Proctor ISCA Certification written exam

Proctor ISCA Certification field practicum

Graded ISCA Certification written exam

Graded ISCA Certification field practicum

Category I

Providing professional service to the public on boards, commissions, committees, school programs or non-work related volunteer service which draws upon their professional expertise. A maximum of twenty-four (24) PDHs shall be applied for this activity.

Enter date and length of time for this activity.

FFA Land Judging Contest, Metropolis IL

Described soil pits for FFA Soil Judging Contests. October 2015, 2016, 2018

Graded contestant soil descriptions, National Collegiate Soil Judging contest; hosted by Northern Illinois University, 2 hours

FFA State Soil Judge, NRCS/FFA

Described practice pits for the National Collegiate soil Judging contest; hosted by Northern Illinois University; 5.5 hours

Soils Lab - Hands-On activities, Bernard Zell Anshe Emet School, Chicago

Envirothon presentations, Kane-DuPage and McHenry Co. SWCDs, 4 each, 4/11/2018-4/12/2018

Basic Soils Presentation/lab/field, IL Valley Comm College

Chicago Field Museum- Under Ground Adventure answered soil questions for visitors, 3 hours

Area Chamber of Commerce, Board Member 1/1/14-12/31/2014

Family Care Center, Board Member, 1/1/2015-12/31/2015

Village Trustee, 1/1/2015-12/31/2015

Category J

Self-training such as book or journal reading. A maximum of six (6) PDHs shall be earned for this activity.

Enter date the item was read. Approximately 2500 words or 1 hour of reading equal 1 PDH.

Getting to the Root of the Urban Tree Problem. Erik Ness in CSA News

Is Soil Moisture related to Wildfire? CSA News

Illinois River Water Quality - Improvement Linked to More Efficient Corn Production". Debra Levy Larson in CSA News, June 2016

Soil Scientists Revisit a High Intensity Soil Survey in Northwest Illinois with Electromagnetic Induction and Traditional Methods. Soil Survey Horizons, Doolittle et al.

Cattle vs Ground Beef What's the Difference? Soil Survey Horizons, Henry Lin

The Creation and Application of High Intensity Soil Surveys: The New Hampshire Experience. Soil Survey Horizons, James Grove

Quantifying Soil Profile Change Caused by Land Use, by Sam Indorante et al, Jan 2014 SSSA Journal

Larney, F.J.; Li, L.; Janzen, H.; Angers, D.A.; and B.M. Olson. 2016. Soil quality attributes, soil resilience, & legacy effects following topsoil removal and one-time amendments. *Can. J. Soil Sci.* 96: 177–190.

Porder, S.; and O.A. Chadwick. 2009. Climate and soil-age constraints on nutrient uplift and retention by plants. *Ecology* 90(3):623-36.

Lawson, I. T., Kelly, T., Aplin, P., Boom, A., Dargie, G., Draper, F. C. H., Wheeler, J. (2015). Improving estimates of tropical peatland area, carbon storage, and greenhouse gas fluxes. *Wetlands Ecology and Management*, 23(3), 327-346.

Category K

Patents, after they are granted. A maximum of twenty (20) PDHs per patent shall be applied for this activity.

Enter patent title, date when granted.